

## Galectin 3 (GAL3) Recombinant Protein | GAL3 recombinant protein

Recombinant Galectin 3 (GAL3)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA133949</b> | HOST<br><b>E.coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

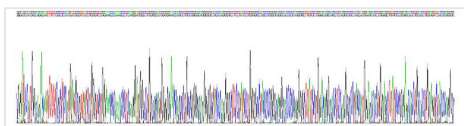
### PRODUCT SYNONYMS

Galectin 3 (GAL3); Recombinant Galectin 3 (GAL3); GAL3 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification                                  | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                          | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration                                        | 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for GAL3 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Organism Species                                     | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source                                               | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Residues                                             | Met1~Ile250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tags                                                 | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Subcellular Location                                 | Nucleus, Secreted, Cytoplasm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Traits                                               | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Predicted isoelectric point                          | 8.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage                                                | Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                              | <p>Storage:</p> <p>Avoid repeated freeze/thaw cycles.</p> <p>Store at 2-8°C for one month.</p> <p>Aliquot and store at -80°C for 12 months.</p> <p>Stability Test:</p> <p>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |

### IMAGES



Identification

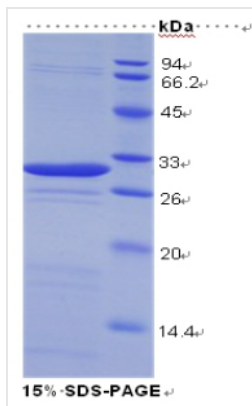
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MADNFSLHDA LSGSGNPNPQ GMPGANGNPQ AGAGGYPGAS YPGAYPGQAP
PGAYPGQAPP GAYPGAGAY PGAPAGVYP GPPSGPGAYP SSGQPSATGA
YPATGPYGAP AGPLIVPYNL PLPGGVVPRM LITILGTVKP NARIALDFQ
RGNDVAFHN PRFNENNRV IVCNKLDNN WGREERQSVF PFESGKPFKI
QVLVEPDHFK VAVNDAHLQ YNHRVKKLNE ISKLGISGDI DLTSASYTHI

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Gene Sequence

Gene Sequencing (extract)



SDS-PAGE

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 115430223                                                                                                                                                         |
| NCBI GeneID                      | 3958                                                                                                                                                              |
| NCBI Accession #                 | NP_002297.2                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_002306.3                                                                                                                                                       |
| UniProt Accession #              | P17931; Q16005; Q6IBA7; Q96J47; B2RC38                                                                                                                            |
| Molecular Weight                 | Predicted Molecular Mass: 27.4kDa<br>Accurate Molecular Mass: 28 kDa as determined by SDS-PAGE reducing conditions.                                               |
| NCBI Official Full Name          | galectin-3 isoform 1                                                                                                                                              |
| NCBI Official Synonym Full Names | lectin, galactoside-binding, soluble, 3                                                                                                                           |
| NCBI Official Symbol             | LGALS3                                                                                                                                                            |
| NCBI Official Synonym Symbols    | L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2                                                                                                                      |
| NCBI Protein Information         | galectin-3; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35 |
| UniProt Protein Name             | Galectin-3                                                                                                                                                        |
| UniProt Gene Name                | <b>LGALS3</b>                                                                                                                                                     |
| UniProt Synonym Gene Names       | MAC2; Gal-3; CBP 35; GALBP                                                                                                                                        |
| UniProt Entry Name               | LEG3_HUMAN                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/lgals3-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/133949>