

## NGAL recombinant protein

Recombinant Human NGAL Protein

|                              |                        |                                            |
|------------------------------|------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA55956</b> | HOST<br><b>E. coli</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|------------------------------|------------------------|--------------------------------------------|

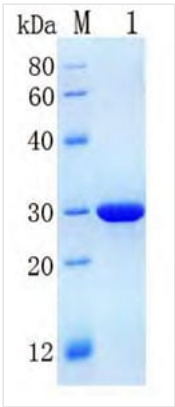
### PRODUCT SYNONYMS

NGAL; Recombinant Human NGAL Protein; LCN2; p25; Lipocalin 2; Oncogene 24p3; 25 kDa alpha-2-microglobulin-related subunit of MMP-9; Siderocalin LCN2.; NGAL recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E. coli                                                                                                                                                                                                                                                                                           |
| Purity/Purification                                  | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                                 |
| Form/Format                                          | 0.15 M PBS, pH 7.5, with 50% glycerol.                                                                                                                                                                                                                                                            |
| Concentration                                        | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                                                           |
| Sequence Positions                                   | 3-198                                                                                                                                                                                                                                                                                             |
| Sequence                                             | QDSTSDLIPA PPLSKVPLQQ NFQDNQFQ GK WYVVGLAGNA ILREDKDPQK MYATIYELKE DKSYNVTSVL FRKKKCDYWI RTFVPGCQPG EFTLGNISY PGLTSYLVRV VSTNYNQHAM VFFKKVSQNR EYFKITLYGR TKELTSELKE NFIRFSKSLG LPENHIVFPV PIDQCIDG                                                                                               |
| Sequence Length                                      | 198                                                                                                                                                                                                                                                                                               |
| Applicable Applications for NGAL recombinant protein | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                          |
| Source                                               | Human                                                                                                                                                                                                                                                                                             |
| Protein Residues                                     | with N-terminal 6×His-tag.                                                                                                                                                                                                                                                                        |
| Endotoxin Level                                      | Please contact us for more information.                                                                                                                                                                                                                                                           |
| Preparation and Storage                              | Storage: Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.<br>**Avoid repeated freeze-thaw cycles.**<br><br>Stability: The recombinant protein is stable for up to 6 months from date of receipt at -80°C. |

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NGAL recombinant protein | NGAL (neutrophil gelatinase-associated lipocalin) belongs to the lipocalin family of proteins. These are typically small secreted proteins characterized by their ability to bind small, hydrophobic molecules in a structurally conserved pocket formed by beta-pleated sheet, to bind to specific cell-surface receptors and to form macromolecular complexes. NGAL has many synonyms: it also known as NL (neutrophil lipocalin,HNL, rat NL), lipocalin, oncogene protein 24p3 or uterocalin (in the mouse) and neu-related lipocalin or 25 kDa alpha 2-microglobulin-related protein6 (in the rat). Rat NGAL consists of a single disulfide-bridged polypeptide chain of 178 amino-acid residues with a calculated molecular mass of 22 kDa, but glycosylation increases its apparent molecular mass to 25 kDa. |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 38455402                                                               |
| NCBI GeneID                      | 3934                                                                   |
| NCBI Accession #                 | NP_005555.2                                                            |
| NCBI GenBank Nucleotide #        | NM_005564.4                                                            |
| UniProt Accession #              | P80188; P30150; Q5SYV9; Q5SYW0; Q6FGL5; Q92683; A6NII8; B4DWV4; B7ZAA2 |
| Molecular Weight                 | 22 kDa                                                                 |
| NCBI Official Full Name          | neutrophil gelatinase-associated lipocalin                             |
| NCBI Official Synonym Full Names | lipocalin 2                                                            |
| NCBI Official Symbol             | LCN2                                                                   |
| NCBI Official Synonym Symbols    | p25; 24p3; MSFI; NGAL                                                  |
| NCBI Protein Information         | neutrophil gelatinase-associated lipocalin                             |
| UniProt Protein Name             | Neutrophil gelatinase-associated lipocalin                             |
| UniProt Gene Name                | LCN2                                                                   |
| UniProt Synonym Gene Names       | HNL; NGAL; NGAL                                                        |
| UniProt Entry Name               | NGAL_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.