

## Ribonuclease T2 (RNASET2) Recombinant Protein | RNASET2 recombinant protein

Recombinant Ribonuclease T2 (RNASET2)

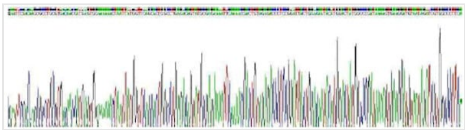
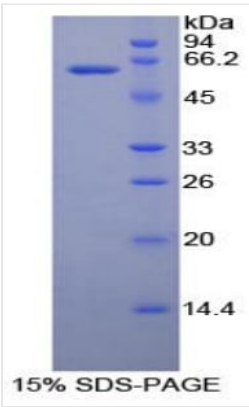
| CATALOG # | HOST   | REACTIVITY           | APPLICATIONS           |
|-----------|--------|----------------------|------------------------|
| AAA134313 | E.coli | Homo sapiens (Human) | Western Blot, SDS-Page |

### PRODUCT SYNONYMS

Ribonuclease T2 (RNASET2); Recombinant Ribonuclease T2 (RNASET2); RNASET2 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                    | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity                                              | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity/Purification                                     | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format                                             | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration                                           | Original Concentration: 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for RNASET2 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source                                                  | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Residues                                                | Asp25~His256                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tags                                                    | N-terminal His and GST Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Subcellular Location                                    | Secreted, Endoplasmic reticulum lumen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Traits                                                  | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted isoelectric point                             | 6.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Usage                                                   | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage                                 | <b>Storage:</b><br>Avoid repeated freeze/thaw cycles.<br>Store at 2-8 degree C for one month.<br>Aliquot and store at -80 degree C for 12 months.<br><br><b>Stability Test:</b><br>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 degree 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. |



Identification  
Figure . Gene Sequencing (extract

SDS-PAGE

DKRLRD NHEWKKLIMV QHPETVCEK  
IQNDCRDPPD YWTINGLWPD KSEGENRSNP FNLEEEKDLL PENRAYMPDV  
IHSFPMRSRF WKHEWEKHGT CAAQVDALNS QKKYFGRSLE LYRELDINSV  
LLKLGKPSI NYYQVADFQD ALARVYGVIP KIQCPLPSQD EEVQIGQIE  
LCLTKQQQL QNCTEPGEQP SPKQEVWLAN GAAESRGLRV CEDGPVFYPP  
PKKTKH

Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 5231228                                                                                                            |
| NCBI GeneID                      | 8635                                                                                                               |
| NCBI Accession #                 | NP_003721.2                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_003730.4                                                                                                        |
| UniProt Accession #              | O00584; Q5T8Q0; Q8TCU2; Q9BZ46; Q9BZ47; B2RDA7; E1P5C3                                                             |
| Molecular Weight                 | Predicted Molecular Mass: 59.1kDa<br>Accurate Molecular Mass: 57kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | ribonuclease T2                                                                                                    |
| NCBI Official Synonym Full Names | ribonuclease T2                                                                                                    |
| NCBI Official Symbol             | RNASET2                                                                                                            |
| NCBI Official Synonym Symbols    | RNASE6PL; bA514O12.3; RP11-514O12.3                                                                                |
| NCBI Protein Information         | ribonuclease T2; ribonuclease 6                                                                                    |
| UniProt Protein Name             | Ribonuclease T2                                                                                                    |
| UniProt Gene Name                | <b>RNASET2</b>                                                                                                     |
| UniProt Synonym Gene Names       | RNASE6PL                                                                                                           |
| UniProt Entry Name               | RNT2_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.