

## Ribonuclease A (RNASE1) Recombinant Protein | RNASE1 recombinant protein

Recombinant Ribonuclease A (RNASE1)

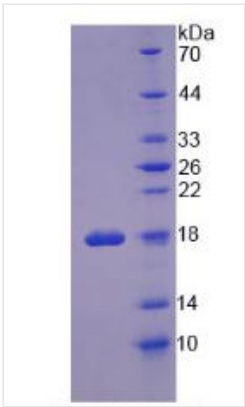
|                               |                       |                                           |                                               |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA133987</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Homo sapiens (Human)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

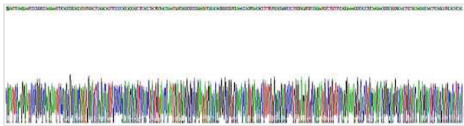
Ribonuclease A (RNASE1); Recombinant Ribonuclease A (RNASE1); RNASE1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification                                    | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                            | PBS, pH7.4, containing 0.01% SKL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration                                          | Original Concentration: 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence                                               | KESRAKKFQR QHMDSDSSPS SSSTYCNQMM RRRNMTQGRC KPVNTFVHEP LVDVQNVCFQ EKVTKNGQG<br>NCYKSNSSMH ITDCRLTNGS RYPNCAYRTS PKERHIIVAC EGSPYVPVHF DASVEDST                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for RNASE1 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source                                                 | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Residues                                               | Lys29~Thr156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tags                                                   | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Subcellular Location                                   | Secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Traits                                                 | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted isoelectric point                            | 8.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                                                  | Reconstitute in PBS (pH7.4) 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°C for one month.<br>Aliquot and store at -80°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°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. |



Sequence



SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4506547                                                                                                            |
| NCBI GeneID                      | 6035                                                                                                               |
| NCBI Accession #                 | NP_002924.1                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_002933.4                                                                                                        |
| UniProt Accession #              | P07998; Q16830; Q16869; Q1KHR2; Q6ICS5; Q9UCB4; Q9UCB5; B2R589; D3DS06                                             |
| Molecular Weight                 | Predicted Molecular Mass: 16.1kDa<br>Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | ribonuclease pancreatic                                                                                            |
| NCBI Official Synonym Full Names | ribonuclease, RNase A family, 1 (pancreatic)                                                                       |
| NCBI Official Symbol             | RNASE1                                                                                                             |
| NCBI Official Synonym Symbols    | RAC1; RIB1; RNS1                                                                                                   |
| NCBI Protein Information         | ribonuclease pancreatic; RIB-1; RNase 1; RNase A; HP-RNase; RNase upl-1; ribonuclease 1; ribonuclease A C1         |
| UniProt Protein Name             | Ribonuclease pancreatic                                                                                            |
| UniProt Gene Name                | <b>RNASE1</b>                                                                                                      |
| UniProt Synonym Gene Names       | RIB1; RNS1; RNase 1; RNase A                                                                                       |
| UniProt Entry Name               | RNAS1_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.