

# Recombinant Human RNASE1 Protein

**Cat. No.** RNASE1-6183H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human RNASE1 protein without tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Ribonuclease Pancreatic is a secreted enzyme that belongs to the pancreatic ribonuclease family. RNASE1 is an endonuclease that cleaves internal phosphodiester RNA bonds on the 3'-side of pyrimidine bases. RNASE1 prefers poly (C) as a substrate and hydrolyzes 2', 3'-cyclic nucleotides, with a pH optimum near 8.0. RNASE1 acts on single stranded and double stranded RNA. |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.                                                                                                                                                                                                                                                                                                          |
| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                                                                                                                                                                                                                |

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**Shipping** They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

**Gene Name** [RNASE1 ribonuclease, RNase A family, 1 \(pancreatic\) \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [RNASE1](#)

**Synonyms** RNASE1; ribonuclease, RNase A family, 1 (pancreatic); RNS1; ribonuclease pancreatic; RIB-1; RNase 1; RNase A; HP-RNase; RNase upl-1; ribonuclease 1; ribonuclease A; RIB1; MGC12408;

**Gene ID** [6035](#)

**mRNA Refseq** [NM\\_002933](#)

**Protein Refseq** [NP\\_002924](#)

**MIM** [180440](#)

**UniProt ID** [P07998](#)

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