



# Recombinant Protein Technical Manual

## Recombinant Human Ribonuclease A/RNASE1 Protein (His Tag) RPES3956

### Product Data:

**Product SKU:** RPES3956

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P07998

### Protein Information:

**Molecular Mass:** 55.0 kDa

**AP Molecular Mass:** 21-28 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Ribonuclease Pancreatic; HP-Rnase; RIB; RNase UpI; Ribonuclease 1; RNase 1; Ribonuclease A; RNase A; RNASE1; RIB1; RNS1

## Immunogen Information:

**Sequence:** Lys29-Thr156

## Background:

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.