

Recombinant Human RNase 1 (C-6His)

Catalog No: CA30

Description	Recombinant Human Ribonuclease Pancreatic is produced by our Mammalian expression system and the target gene encoding Lys29-Thr156 is expressed with a 6His tag at the C-terminus.
Expression System	Human cells
Alternative name	Ribonuclease Pancreatic; HP-Rnase; RIB-1; RNase Upl-1; Ribonuclease 1; RNase 1; Ribonuclease A; RNase A; RNASE1; RIB1; RNS1
Accession No.	P07998
Predicted Molecular Weight	15.6kDa
Apparent Molecular Weight	21-28kDa, reducing conditions.
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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.

SDS-PAGE

