Rnase 1 Protein, Human (HEK293, His, solution)

Cat. No.:	HY-P71089Y
Synonyms:	Ribonuclease Pancreatic; HP-Rnase; RIB-1; RNase UpI-1; Ribonuclease 1; RNase 1; Ribonuclease A; RNase A; RNASE1; RIB1; RNS1
Species:	Human
Source:	HEK293
Accession:	P07998 (K29-T156)
Gene ID:	6035
Molecular Weight:	18-28 kDa

PROPERTIES

AA Sequence	K E S R A K K F Q R Q H M D S D S S P S S S S T Y C N Q M M R R R N M T Q G R C K P V N T F V H E P L V D V Q N V C F Q E K V T C K N G Q G N C Y K S N S S M H I T D C R L T N G S R Y P N C A Y R T S P K E R H I I V A C E G S P Y V P V H F D A S V E D S T
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 10% Glycerol, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	RNase 1 protein is an endonuclease that plays a crucial role in catalyzing the cleavage of RNA molecules, specifically targeting the 3' side of pyrimidine nucleotides. This enzymatic activity is not limited to a particular RNA conformation, as RNase 1 is known to act on both single-stranded and double-stranded RNA. By facilitating the precise cleavage of RNA molecules, RNase 1 contributes to the regulation and turnover of RNA in cellular processes. Its ability to target pyrimidine-rich regions suggests a broad range of potential substrates, highlighting its importance in RNA metabolism and cellular homeostasis. (

Caution: Product has not been fully validated for medical applications. For research use only.

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