

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

<b>Cat. No.:</b>	HY-P71089
<b>Synonyms:</b>	Ribonuclease Pancreatic; HP-Rnase; RIB-1; RNase Upl-1; Ribonuclease 1; RNase 1; Ribonuclease A; RNase A; RNASE1; RIB1; RNS1
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P07998 (K29-T156)
<b>Gene ID:</b>	6035
<b>Molecular Weight:</b>	21-28 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> 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           </pre>
<b>Biological Activity</b>	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
<b>Appearance</b>	Solution.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 10% Glycerol, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	N/A.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Shipping with dry ice

### DESCRIPTION

<b>Background</b>	<p>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. (</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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