

Datasheet for ABIN7596284

RNASE1 Protein (AA 29-156) (His tag)[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	RNASE1
Protein Characteristics:	AA 29-156
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This RNASE1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	KESRAKKFQR QHMDSDSSPS SSSTYCNQMM RRRNMTQGRC KPVNTFVHEP LVDVQNVCFQ EKVTCKNGQG NCYKSNSSMH ITDCRLTNGS RYPNCAYRTS PKERHIIVAC EGSPYVPVHF DASVEDST
Purity:	90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 5 X 10 ⁴ unit/mg, and is defined as the amount of enzyme that cleaves 1.0 pmole of RNase probe per minute at 25C.

Target Details

Target:	RNASE1
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Target Details

Alternative Name:	Ribonuclease A/RNASE 1 (RNASE1 Products)
Background:	<p>RNASE1, also known as ribonuclease A, is a member of pancreatic ribonuclease enzyme family. It is a relatively small protein and is a basic protein (pI = 9.63). Also, It has four disulfide bonds in its native state. It cleaves specifically after pyrimidine nucleotides. Cleavage takes place in two steps: first, the 3',5'-phosphodiester bond is cleaved to generate a 2',3'-cyclic phosphodiester intermediate, second, the cyclic phosphodiester is hydrolyzed to a 3'-monophosphate. (For example pG-pG-pC-pA-pG will be cleaved to give pG-pG-pCp and A-pG)</p> <p>The highest activity is exhibited with single stranded RNA. It can also hydrolyze RNA from protein samples. RNase A can be inhibited by alkylation of His12 and His119 and activated by potassium and sodium salts. Recombinant human RNASE1, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	15.3kDa(134aa)
NCBI Accession:	NP_937878

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.