

Recombinant Human ribonuclease, RNase A family, 7, His-tagged

Cat. No. RNASE7-548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RNASE7, 29-156aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	29-156 a.a.
Description	RNASE7 is one of the final RNase A superfamily ribonucleases. It was isolated from skin-derived stratum corneum. This protein exhibited potent ribonuclease activity and thus may contribute to the well known ribonuclease activity of human skin. It revealed broad spectrum antimicrobial activity against many pathogenic microorganisms and remarkably potent activity against a vancomycin-resistant Enterococcus faecium. Recombinant human RNASE7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT
Molecular Mass	16.9 kDa(151aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSKPKGMTS SQWFKIQHMQ PSPQACNSAM KNINKHTKRC KDLNTFLHEP FSSVAATCQT PKIACKNGDK NCHQSHGPVS LTMCKLTSGK YPNCRYKEKR QNKSYVVACK PPQKKDSQQF HLVPVHLDRV L

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	RNASE7 ribonuclease, RNase A family, 7 [Homo sapiens]
Official Symbol	RNASE7
Synonyms	RNASE7; ribonuclease, RNase A family, 7; ribonuclease 7; SAP-2; RNase 7; skin-derived antimicrobial protein 2; MGC133220;
Gene ID	84659
mRNA Refseq	NM_032572
Protein Refseq	NP_115961
MIM	612484
UniProt ID	Q9H1E1
Chromosome Location	14q11.1
Function	endonuclease activity; hydrolase activity; nucleic acid binding; pancreatic ribonuclease activity; ribonuclease activity;

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