Recombinant Human ribonuclease, RNase A family, 3, His-tagged

Cat. No. RNASE3-370H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RNASE3, 28-160 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	28-160 a.a.
Description	RNASE3 is cytotoxin and helminthotoxin with low-efficiency ribonuclease activity. It possesses a wide variety of biological activities. This protein exhibits antibacterial activity, including cytoplasmic membrane depolarization of preferentially Gram-negative, but also Gram-positive strains and promotes E. coli outer membrane detachment, alteration of the overall cell shape and partial loss of cell content. Recombinant human RNASE3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	19.9 kDa (171aa)
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMRP PQFTRAQWFA IQHISLNPPR CTIAMRAINN YRWRCKNQNT FLRTTFANVV NVCGNQSIRC PHNRTLNNCH RSRFRVPLLH CDLINPGAQN ISNCRYADRP GRRFYVVACD NRDPRDSPRY PVVPVHLDTT I

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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	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	RNASE3 ribonuclease, RNase A family, 3 [Homo sapiens]
Official Symbol	RNASE3
Synonyms	RNASE3; ribonuclease, RNase A family, 3; RNS3; eosinophil cationic protein; ECP; RNase 3; ribonuclease 3; cytotoxic ribonuclease;
Gene ID	6037
mRNA Refseq	NM_002935
Protein Refseq	NP_002926
MIM	131398
UniProt ID	P12724
Chromosome Location	14q24-q31
Pathway	Asthma, organism-specific biosystem; Asthma, conserved biosystem;
Function	endonuclease activity; hydrolase activity; nucleic acid binding; pancreatic

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