

RNASE3 recombinant protein

RNASE3, 28-160aa, Human, His-tag, Baculovirus

CATALOG # AAA48932	HOST Baculovirus	APPLICATIONS SDS-Page
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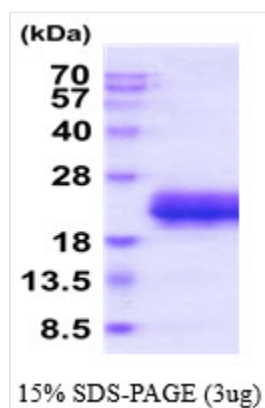
PRODUCT SYNONYMS

RNASE3; 28-160aa; Human; His-tag; Baculovirus; Ribonuclease; RNase A family; 3 (eosinophil cationic protein); ECP; RAF1; RNS3; RNASE3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	ADPRPPQFTR AQWFAIQHIS LNPPRCTIAM RAINNYRWRC KNQNTFLRTT FANVVNVCGN QSIRCPHNRT LNNCHRSRFR VPLLHCDLIN PGAQNISNCR YADRPGRRFY VVACDNRDPR DSPRYPVVPV HLDTTIHFFF HH
Sequence Length	160
Applicable Applications for RNASE3 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	28-160aa
Endotoxin Level	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	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.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by blue coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for RNASE3 recombinant protein	RNASE3, also known as Ribonuclease RNase A family 3, located in the eosinophil primary matrix. It released during degranulation of eosinophils. This protein is related to inflammation and asthma because in these cases, there are increased levels of ECP in the body. It is a potent cytotoxic protein capable of killing cells of guinea pig tracheal epithelium, mammalian leukemia, epidermis carcinoma, and breast carcinoma, as well as non-mammalian cells such as parasites, bacteria, and viruses. Recombinant human RNASE3 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for RNASE3 recombinant protein	Enzymes & Proteases
References	Kang I. et al., (2010) Eur Arch Otorhinolaryngol.267:391-395. ; Rubin J. et al., (2013) Mol Immunol. 55:372-380.

NCBI AND UNIPROT INFORMATION

NCBI GI #	64652956
NCBI GeneID	6037
Molecular Weight	16.6kDa (142aa)
NCBI Official Full Name	Ribonuclease, RNase A family, 3 (eosinophil cationic protein)
NCBI Official Synonym Full Names	ribonuclease A family member 3
NCBI Official Symbol	RNASE3
NCBI Official Synonym Symbols	ECP; RAF1; RNS3
NCBI Protein Information	eosinophil cationic protein
UniProt Protein Name	Eosinophil cationic protein
UniProt Gene Name	RNASE3
UniProt Synonym Gene Names	ECP; RNS3; ECP; RNase 3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.