

RNASE2 recombinant protein

Recombinant human RNASE2 protein

CATALOG # AAA48414	HOST Baculovirus	APPLICATIONS SDS-Page
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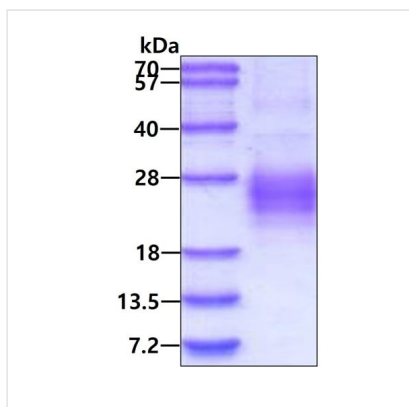
PRODUCT SYNONYMS

RNASE2; Recombinant human RNASE2 protein; ribonuclease A family member 2; EDN; RAF3; RNS2; non-secretory ribonuclease; Eosinophil-derived neurotoxin; RNase Upl-2; Ribonuclease 2; RNase 2; Ribonuclease US; RNASE2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	28-161aa
Sequence	ADPKPPQFTW AQWFETQHIN MTSQQCTNAM QVINNYQRRK KNQNTFLLTT FANVVNVCNGN PNMTCPNSKT RKNCHHSGSQ VPLIHCNLTT PSPQNISNCR YAQTPANMFY IVACDNRDQR RDPPQYPVVP VHLDRIIHHH HHH
Applicable Applications for RNASE2 recombinant protein	SDS-PAGE
Species	Human
Tag	His-Tag
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for RNASE2 recombinant protein	RNASE2, is a non-secretory ribonuclease that belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. The protein is found in eosinophil granulocytes and closely related to the eosinophil cationic protein (RNASE3) from which it diverged 50 million years ago after the split between the old world and the new world monkeys. It is relatively neutral and has cytotoxic properties. It may generate host defense via roles in promoting leukocyte activation, maturation, and chemotaxis. It has also been studied in the context of defense against pathogen infection in mammals. Recombinant human RNASE2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for RNASE2 recombinant protein	Epigenomics (Transcription & Translation)
References	Rosenberg HF., et al, (2015) Int J Mol Sci. 14:15442-15455. ;; Levin AM., et al, (2019) J Allergy Clin Immunol. 143:1791-1802.;; Ostendorf T., et al, (2020) Immunity. 52:591-605.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506549
NCBI GeneID	6036
NCBI Accession #	NP_002925.1
NCBI GenBank Nucleotide #	NM_002934.2
UniProt Accession #	P10153; Q52M39; Q9H2B7; Q9UCG7
Molecular Weight	16.5kDa (143aa)
NCBI Official Full Name	non-secretory ribonuclease
NCBI Official Synonym Full Names	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)
NCBI Official Symbol	RNASE2
NCBI Official Synonym Symbols	EDN; RAF3; RNS2
NCBI Protein Information	non-secretory ribonuclease; RNase 2; RNase Upl-2; ribonuclease 2; ribonuclease US; ribonuclease A F3; eosinophil-derived neurotoxin
UniProt Protein Name	Non-secretory ribonuclease
UniProt Gene Name	RNASE2
UniProt Synonym Gene Names	EDN; RNS2; RNase 2
UniProt Entry Name	RNAS2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/rnase2-recombinant-protein-baculovirus-sds-page/48414>