

RNASE4 recombinant protein

Human RNASE4 Protein, hFc Tag

CATALOG #
AAA47539

HOST
HEK293

PRODUCT SYNONYMS

RNASE4; Human RNASE4 Protein; hFc Tag; RAB1; RNS4; RNASE4 recombinant protein

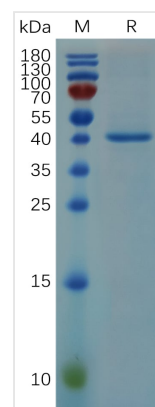
PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Concentration	0.893 mg/mL (varies by lot)
Tag	C-Human Fc tag
Molecular Characterization	Mouse RNASE4(Gln30-Arg148) 6×His tag
Reconstitution	1.Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5min at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube. 2.Dissolved lyophilized protein sample in sterile water based on the recommended volume 55.99 uL. 3.After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Preparation and Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). For long term storage, glycerol can be added to a final concentration of 50% and stored at -20°C.

IMAGES

TEST	SPECIFICATION	RESULT
Lyophilization	Dried white powder	Pass
Visual Inspection		
Vial Label	Label aligned and complete	Pass
Bottle Sealing (manual check)	Sealed tight	Pass
Quantity	as specified quantity	Pass
Purity	SDS-PAGE & Coomassie blue staining	Target protein band (s) ≥95.0%
Other Properties	pH	7.4 ± 0.5

Application Data



SDS-PAGE

Figure 1. Human RNASE4 Protein, mFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for RNASE4 recombinant protein	Recombinant human RNASE4 protein with C-terminal human Fc tag The protein encoded by this gene belongs to the pancreatic ribonuclease family. It plays an important role in mRNA cleavage and has marked specificity towards the 3' side of uridine nucleotides. Alternative splicing results in four transcript variants encoding the same protein. This gene and the gene that encodes angiogenin share promoters and 5' exons. Each gene splices to a unique downstream exon that contains its complete coding region. [provided by RefSeq, Aug 2013]
Product Categories/Family for RNASE4 recombinant protein	Bioactive Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	1710614
NCBI GeneID	6038
UniProt Accession #	P34096
Molecular Weight	The protein has a predicted molecular mass of 14.7 kDa after removal of the signal peptide. The apparent molecular mass of mRNASE4-His is approximately 10-15 kDa due to glycosylation.
NCBI Official Full Name	Ribonuclease 4
NCBI Official Synonym Full Names	ribonuclease, RNase A family, 4
NCBI Official Symbol	RNASE4
NCBI Official Synonym Symbols	RAB1; RNS4
NCBI Protein Information	ribonuclease 4; RNase 4; ribonuclease A B1
UniProt Protein Name	Ribonuclease 4
UniProt Gene Name	RNASE4
UniProt Synonym Gene Names	RNS4; RNase 4
UniProt Entry Name	RNAS4_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.