

Ribonuclease A4 (RNASE4) Recombinant Protein | RNASE4 recombinant protein

Recombinant Ribonuclease A4 (RNASE4)

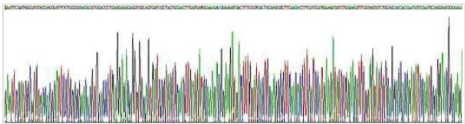
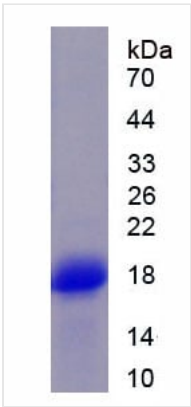
CATALOG # AAA134294	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
-------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

Ribonuclease A4 (RNASE4); Recombinant Ribonuclease A4 (RNASE4); RNASE4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose .
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for RNASE4 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Asp30~Gly147
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	9.0
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Identification
Gene Sequencing (extract)

SDS-PAGE

D GMYQRFRLQH VHPETGGSD
RYCNLMNQRR KMTLYHCKRF NTFIHEDIWN IRSICSTTNI QCKNGKMNCH
EGVVKVTDGR DTGSSRAPNC RYRAIASTRR VVIACEGNPQ VPVHFDG

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	532164749
NCBI GeneID	6038
NCBI Accession #	NP_001269121.1
NCBI GenBank Nucleotide #	NM_001282192.1
UniProt Accession #	P34096
Molecular Weight	Predicted Molecular Mass: 14.9kDa Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.
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.