

AR50887PU-S

Human RNASE7 (29-156, His-tag) - Purified

Alternate names:

RNase 7, Ribonuclease 7, SAP-2, Skin-derived antimicrobial protein 2

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

RNASE7 is one of the final RNase A superfamily ribonucleases. It was isolated from skin-derived stratum corneum. This protein exhibited potent ribonuclease activity and thus may contribute to the well known ribonuclease activity of human skin. It revealed broad spectrum antimicrobial activity against many pathogenic microorganisms and remarkably potent activity against a vancomycin-resistant *Enterococcus faecium*.

Uniprot ID:

[Q9H1E1](#)

NCBI:

[NP_115961](#)

GeneID:

[84659](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT

Description:

Recombinant human RNASE7 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSKPKGMTS SQWFKIQHMQ PSPQACNSAM KNINKHTKRC
KDLNTFLHEP FSSVAATCQT PKIACKNGDK NCHQSHGPVS LTMCKLTSGK YPNCRYKEKR
QNKSYYVACK PPQKKDSQQF HLPVHLDLV L

Molecular weight: 16.9 kDa (151aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Zhang J. et al. (2003) *Nucleic Acids Res.* 31:602-607 Harder J. et al. (2002) *J Biol Chem.* 277:46779-46784.

Pictures:

