

Recombinant human RNASE7 protein

Catalog Number: ATGP2063

PRODUCT INFORMATION

Expression system

E.coli

Domain

29-156aa

UniProt No.

Q9H1E1

NCBI Accession No.

NP_115961.1

Alternative Names

Ribonuclease RNase A family 7, Ribonuclease, RNase A family, 7, MGC133220, Ribonuclease RNase A family 7, RNase 7, Ribonuclease 7, Skin-derived antimicrobial protein 2

PRODUCT SPECIFICATION

Molecular Weight

16.9 kDa (151aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

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.

BACKGROUND

Description

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

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using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>KPKGMTS SQWFKIQHMQ PSPQACNSAM KNINKHTKRC KDLNTFLHEP
FSSVAATCQT PKIACKNGDK NCHQSHGPVS LTMCKLTSGK YPNCRYKEKR QNKSYVVACK PPQKKDSQQF HLVPVHLDRV L

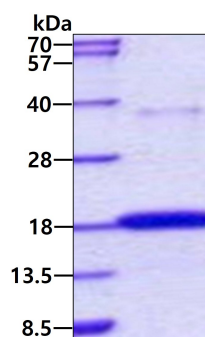
General References

Zhang J. et al. (2003) Nucleic Acids Res. 31:602-607

Harder J. et al. (2002) J Biol Chem. 277:46779-46784.

DATA

SDS-PAGE



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