OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR50887PU-N Human RNASE7 (29-156, His-tag) - Purified

Alternate names: RNase 7, Ribonuclease 7, SAP-2, Skin-derived antimicrobial protein 2

Quantity: 0.25 mg

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

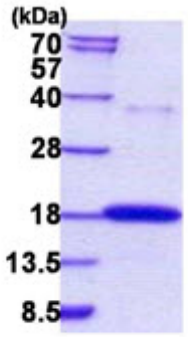
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT

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:
MGSSHHHHHH SSGLVPRGSH MGSKPKGMTS SQWFKIQHMQ PSPQACNSAM KNINKHTKRC KDLNTFLHEP FSSVAATCQT PKIACKNGDK NCHQSHGPVS LTMCKLTSGK YPNCRYKEKR QNKSYVVACK PPQKKDSQQF HLVPVHLDRV 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. 31:602-607Harder J. et al. (2002) J Biol Chem. 277:46779-46784.

Pictures:



15% SDS-PAGE (3ug)