RNASE7, 29-156aa, Human His tag, E.coli

Cat.NO.: TP03747

3th Edition

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

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 using conventional chromatography.

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

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

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSKPKGMTSSQWFKIQHMQPSPQACNSAMKNINKHTKRCKDLNTFLHEPFSS
VAATCQTPKIACKNGDKNCHQSHGPVSLTMCKLTSGKYPNCRYKEKRQNKSYVVACKPPQKKDSQQFHLVPVHL
DRVL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.