

Recombinant human RNASE3 protein

Catalog Number: ATGP1809

PRODUCT INFORMATION

Expression system

E.coli

Domain

28-160aa

UniProt No.

P12724

NCBI Accession No.

AAH96060

Alternative Names

Eosinophil cationic protein, ECP; RNS3, Ribonuclease 3

PRODUCT SPECIFICATION

Molecular Weight

19.9 kDa (171aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

RNASE3 is cytotoxin and helminthotoxin with low-efficiency ribonuclease activity. It possesses a wide variety of biological activities. This protein exhibits antibacterial activity, including cytoplasmic membrane depolarization of preferentially Gram-negative, but also Gram-positive strains and promotes E. coli outer membrane detachment, alteration of the overall cell shape and partial loss of cell content. Recombinant human RNASE3 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSHMRP PQFTRAQWFA IQHISLNPPR CTIAMRAINN
YRWRCKNQNT FLRTTFANVV NVCGNQSIRC PHNRTLNNCH RSRFRVPLLH CDLINPGAQN ISNCRYADRP GRRFYVVACD
NRDPRDSPRY PVVPVHLDTT I

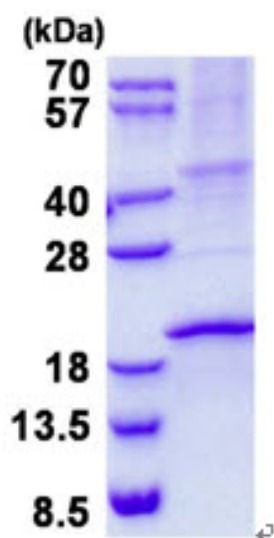
General References

Adu B, Dodoo D, Adukpo S, et al. (2011). PLoS One. 6(12):e29465.

Torrent M, Nogues MV, Boix E, et al. (2011). J Mol Recognit. 24(1):90-100.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)