

Recombinant human RNASE3 protein

Catalog Number: ATGP3508

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

28-160aa

UniProt No.

P12724

NCBI Accession No.

AAH96060

Alternative Names

Ribonuclease, RNase A family, 3 (eosinophil cationic protein), RNASE3, ECP, RAF1, RNS3

PRODUCT SPECIFICATION

Molecular Weight

16.6 kDa (142aa)

Concentration

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

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

RNASE3, also known as Ribonuclease RNase A family 3, located in the eosinophil primary matrix. It released during degranulation of eosinophils. This protein is related to inflammation and asthma because in these cases, there are increased levels of ECP in the body. It is a potent cytotoxic protein capable of killing cells of guinea pig tracheal epithelium, mammalian leukemia, epidermis carcinoma, and breast carcinoma, as well as non-

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mammalian cells such as parasites, bacteria, and viruses. Recombinant human RNASE3 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPRPPQFTR AQWFAIQHIS LNPPRCTIAM RAINNYRWRC KNQNTFLRTT FANVVNVCGN QSIRCPHNRT LNNCHRSRFR
VPLLHCDLIN PGAQNISNCR YADRPGRRFY VVACDNRDPR DSPRYPVVPV HLDTTIHFFF HH

General References

Kang I. et al., (2010) Eur Arch Otorhinolaryngol.267:391-395.

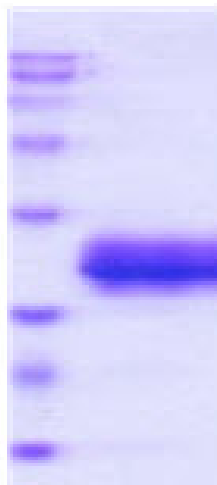
Rubin J. et al., (2013) Mol Immunol. 55:372-380.

DATA

SDS-PAGE

(kDa)

70
57
40
28
18
13.5
8.5



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

15% SDS-PAGE (3ug)