

## RNASE3 recombinant protein

RNASE3, 28-160aa, Human, His-tag, Baculovirus

|                              |                            |                                 |
|------------------------------|----------------------------|---------------------------------|
| CATALOG #<br><b>AAA48932</b> | HOST<br><b>Baculovirus</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|----------------------------|---------------------------------|

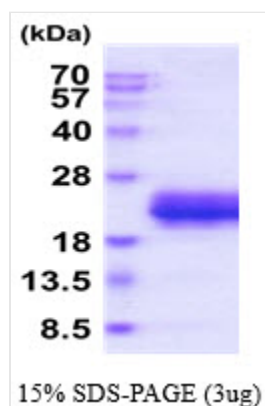
### PRODUCT SYNONYMS

RNASE3; 28-160aa; Human; His-tag; Baculovirus; Ribonuclease; RNase A family; 3 (eosinophil cationic protein); ECP; RAF1; RNS3; RNASE3 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | Baculovirus                                                                                                                                                     |
| Purity/Purification                                    | > 95% by SDS-PAGE                                                                                                                                               |
| Form/Format                                            | Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol.                                                                                          |
| Concentration                                          | 0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)                                                                                                   |
| Sequence                                               | ADPRPPQFTR AQWFAIQHIS LNPPRCTIAM RAINNYRWRC KNQNTFLRTT FANVVNVCNG QSIRCPHNRT<br>LNNCHRSRFR VPLLHCDLIN PGAQNISNCR YADRPGRRFY VVACDNRDPR DSPRYPVVPV HLDTTIIHHH HH |
| Sequence Length                                        | 160                                                                                                                                                             |
| Applicable Applications for RNASE3 recombinant protein | SDS-PAGE                                                                                                                                                        |
| Tag Information                                        | His-tag                                                                                                                                                         |
| Domain                                                 | 28-160aa                                                                                                                                                        |
| Endotoxin Level                                        | < 1 EU per 1ug of protein (determined by LAL method)                                                                                                            |
| Preparation and Storage                                | Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.                 |

### IMAGES



#### SDS-PAGE

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

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for RNASE3 recombinant protein | 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-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. |
| Product Categories/Family for RNASE3 recombinant protein   | <a href="#">Enzymes &amp; Proteases</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| References                                                 | Kang I. et al., (2010) Eur Arch Otorhinolaryngol.267:391-395. ; Rubin J. et al., (2013) Mol Immunol. 55:372-380.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | <a href="#">64652956</a>                                      |
| NCBI GeneID                      | <a href="#">6037</a>                                          |
| Molecular Weight                 | 16.6kDa (142aa)                                               |
| NCBI Official Full Name          | Ribonuclease, RNase A family, 3 (eosinophil cationic protein) |
| NCBI Official Synonym Full Names | ribonuclease A family member 3                                |
| NCBI Official Symbol             | RNASE3                                                        |
| NCBI Official Synonym Symbols    | ECP; RAF1; RNS3                                               |
| NCBI Protein Information         | eosinophil cationic protein                                   |
| UniProt Protein Name             | Eosinophil cationic protein                                   |
| UniProt Gene Name                | <b>RNASE3</b>                                                 |
| UniProt Synonym Gene Names       | ECP; RNS3; ECP; RNase 3                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/rnase3-recombinant-protein-baculovirus-sds-page/48932>