

## Recombinant Human Rnase 3

Catalog No: CA06

Description Recombinant Human Ribonuclease 3 is produced by our Mammalian expression system and the target

gene encoding Arg28-Ile160 is expressed with a 6His tag at the C-terminus.

Source Human Cells

Alternative name Eosinophil Cationic Protein; ECP; Ribonuclease 3; RNASE 3; RNASE3; ECP; RNS3

Accession No. P12724

Formulation Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,1mMDTT,10%Glycerol,pH7.5.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Shipping** The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

Storage Store at < -20°C, stable for 6 months after receipt.

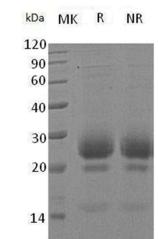
Please minimize freeze-thaw cycles.

Amino Acid Sequence RPPQFTRAQWFAIQHISLNPPRCTIAMRAINNYRWRCKNQNTFLRTTFANVVNVCGNQSIRCPHNRTLNN CHRSRFRVPLLHCDLINPGAQNISNCRYADRPGRRFYVVACDNRDPRDSPRYPVVPVHLDTTIVDHHHH

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Background

Ribonuclease 3 (RNASE3) is a basic protein that is localized to the eosinophil primary matrix and belongs to the pancreatic ribonuclease family. RNASE3 is released during degranulation of eosinophils. RNASE3 possesses a wide variety of biological activities. RNASE3 interacts with bacterial lipopolysaccharide (LPS) and lipoteichoic acid (LTA). RNASE3 exhibits antibacterial activity, including cytoplasmic membrane depolarization of preferentially Gram-negative, but also Gram-positive strains. It promotes E. coli outer membrane detachment, alteration of the overall cell shape and partial loss of cell content.



**SDS-Page** 

