

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	RPPQFTRAQWFAIQHISLNPPRCTIAMRAINNYRWCKNQNTFLRTTFANVVNVCGNQSIKCPHNRTLNN CHRSRFRVPLLHCDLINPGAQNIENCRYADRPGRFRFYVACDNRDPRDPRYPVVPVHLDTTIVDHHHH HH

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

