

Recombinant Human RNASE3, His-tagged

Cat. No. RNASE3-5319H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ribonuclease 3/RNASE3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Arg28-Ile160) of Human RNASE3 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	28-160 a.a.
Description	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.
AA Sequence	RPPQFTRAQWFIAIQHISLNPPRCTIAMRAINNYRWRCKNQNTFLRTTFANVVNVCG NQSIRCPHNRTLNNCHRSR FRVPLLHCDLINPGAQNISNCRYADRPGRRFYVVACD NRDPRDSPRYPVVPVHLDTTIVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).

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

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

GENE INFORMATION

Gene Name RNASE3 ribonuclease, RNase A family, 3 [Homo sapiens (human)]

Official Symbol RNASE3

Synonyms RNASE3 ECP; RNS3 ribonuclease, RNase A family, 3 eosinophil cationic protein
RNase 3 ribonuclease 3 cytotoxic ribonuclease EC 3.1.27.-

Gene ID 6037

mRNA Refseq NM_002935

Protein Refseq NP_002926

MIM 131398

UniProt ID P12724

Chromosome Location 14q24-q31

Pathway Asthma

Function nucleic acid binding pancreatic ribonuclease activity ribonuclease activity

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