

32-7739: Recombinant Human Ribonuclease 3/RNASE3 (C-6His)

Gene : RNASE3

Gene ID : 6037

Uniprot ID : P12724

Description

Source: Human Cells.

MW :16.6kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg

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

Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Amino Acid : RPPQFTRAQWFQAIQHISLNPPRCTIAMRAINNYRWCKNQNTFLRTTFANVVNVCGNQSIRCPHNRTLNNCHR SRFRVPLLHCDLINPGAQNISNCRYADRPGRRFYVVACDNRDPRDSPRYVVPVHLDTTIVDHHHHHH

Application Note

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