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Datasheet for ABIN7318990 RNASE3 Protein (His tag)

Overview

Quantity:	50 µg
Target:	RNASE3 (ECP)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNASE3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ribonuclease 3/RNASE3 Protein (His Tag)
Sequence:	Arg28-Ile160
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	RNASE3 (ECP)
Alternative Name:	Ribonuclease 3/RNASE3 (ECP Products)
Background:	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

Target Details

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.

Synonym: Eosinophil Cationic Protein, ECP, Ribonuclease 3, RNase 3, RNASE3, ECP, RNS3

Molecular Weight: 16.6 kDa

UniProt: [P12724](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM DTT, 10 % Glycerol, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.