Recombinant Human Ribonuclease 3/RNASE3 Protein (His Tag)

Catalog No. PKSH033002

Note: Centrifuge before opening to ensure complete recovery of vial contents.

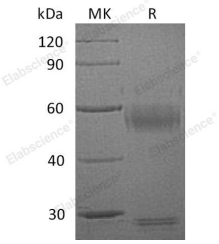
Description

Synonyms	Eosinophil Cationic Protein;ECP;Ribonuclease 3;RNase 3;RNASE3;ECP;RNS3
Species	Human
Expression Host	HEK293 Cells
Sequence	Arg28-Ile160
Accession	AAH96060.1
Calculated Molecular Weight	16.6 kDa
Observed molecular weight	25-35 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mMDTT, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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

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partial loss of cell content.

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