

Recombinant Human Ribonuclease 3/RNASE3 Protein (His Tag)

Catalog Number: PKSH033002

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

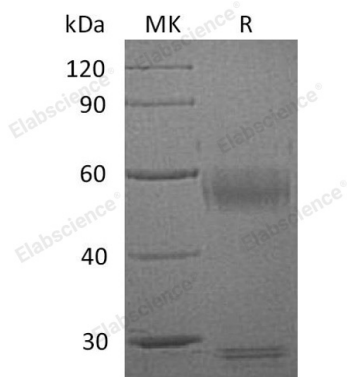
Description

Species	Human
Source	HEK293 Cells-derived Human Ribonuclease 3;RNASE3 protein Arg28-Ile160, with an C-terminal His
Calculated MW	16.6 kDa
Observed MW	25-35 kDa
Accession	AAH96060.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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 partial loss of cell content.