

Product Name: Recombinant Human RNASE3 (C-6His)
Catalog #: PHH1442

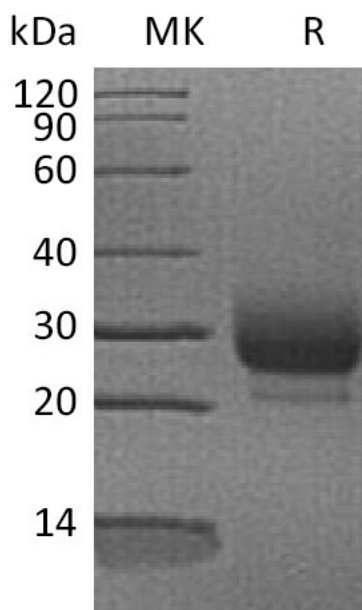


Summary

Name	Rnase 3/ECP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH96060.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	16.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mMDTT, 10% Glycerol, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

Eosinophil Cationic Protein; ECP; Ribonuclease 3; RNase 3; RNASE3; ECP; RNS3

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.

Note

For Research Use Only , Not for Diagnostic Use.