

# Recombinant Human Ribonuclease 3/RNASE3 Protein (His Tag)



Catalog Number:PKSH033002

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

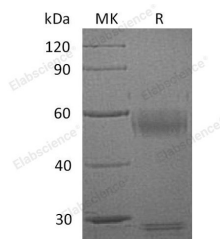
## Description

<b>Synonyms</b>	Eosinophil Cationic Protein;ECP;Ribonuclease 3;RNase 3;RNASE3;ECP;RNS3
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Arg28-Ile160
<b>Accession</b>	AAH96060.1
<b>Calculated Molecular Weight</b>	16.6 kDa
<b>Observed molecular weight</b>	25-35 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mMDTT, 10% Glycerol, pH 7.5.
<b>Reconstitution</b>	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 partial loss of cell content.

## For Research Use Only

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