

## Recombinant Human Proteinase 3/PRTN3 Protein (His Tag)

Catalog No. PKSH032974

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

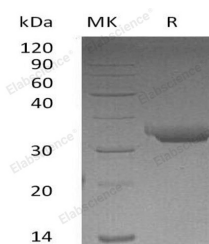
### Description

<b>Synonyms</b>	Myeloblastin;AGP7;C-ANCA Antigen;Leukocyte Proteinase 3;PR-3;PR3;Neutrophil Proteinase 4;NP-4;P29;Wegener Autoantigen;PRTN3;MBN
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ala26-Arg249
<b>Accession</b>	P24158
<b>Calculated Molecular Weight</b>	25.6 kDa
<b>Observed molecular weight</b>	34 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### 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 10mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Proteinase-3 is a neutral serine proteinase that belongs to the peptidase S1 family and Elastase subfamily. It contains one peptidase S1 domain and it is expressed mainly in neutrophil granulocytes. The primary function of Proteinase-3 is thought to be degradation of extracellular proteins at sites of inflammation, but excessive or prolonged proteolytic activity may cause harmful effects in the body. It is the epitope of anti-neutrophil cytoplasmic antibodies (ANCA) of the

### For Research Use Only

cANCA (cytoplasmic subtype) class, a type of antibody frequently found in the disease Wegener's granulomatosis.