

## Recombinant Human PRTN3 protein, His-tagged

Cat. No. PRTN3-45H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRTN3 (Ala26-Arg249) fused with His tag at C-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	26-249 a.a.
<b>Description</b>	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 cANCA (cytoplasmic subtype) class, a type of antibody frequently found in the disease Wegener's granulomatosis.
<b>Form</b>	Supplied as a 0.2 µm filtered solution of 10mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0
<b>AA Sequence</b>	AEIVGGHEAQPHSRPYMASLQMRGNPGSHFCGGTLIHPSFVLTAAHCLRDIPQRLV NVVLGAHNV RTQEPTQQHFSAQVFLNNDYDAENKLNDVLLIQLSSPANLSASVATV QLPQQDQVPVPHGTQCLAM GWGRVGAHDPPAQVLQELNVTVVTFPCRPHNICTFV PRRKAGICFGDSGGPLICDGIQGIDSFV IWGCATRLFPDFFTRVALYVDWIRSTLRR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	VDHHHHHH
<b>Endotoxin</b>	Less than 0.1 ng/μg (1 IEU/μg).
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Storage</b>	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">PRTN3 proteinase 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	PRTN3
<b>Synonyms</b>	MBN; MBT; NP4; P29; PR3; ACPA; AGP7; NP-4; PR-3; CANCA; C-ANCA; myeloblastin; C-ANCA antigen; Wegener granulomatosis autoantigen; azurophil granule protein 7; leukocyte proteinase 3; neutrophil proteinase 4; serine proteinase, neutrophil; wegener autoantigen
<b>Gene ID</b>	<a href="#">5657</a>
<b>mRNA Refseq</b>	<a href="#">NM_002777</a>
<b>Protein Refseq</b>	<a href="#">NP_002768</a>
<b>MIM</b>	<a href="#">177020</a>
<b>UniProt ID</b>	P24158
<b>Chromosome</b>	19p13.3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Location</b>	
<b>Pathway</b>	C-MYB transcription factor network, organism-specific biosystem; Common Pathway of Fibrin Clot Formation, organism-specific biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem
<b>Function</b>	enzyme binding; serine-type endopeptidase activity; serine-type peptidase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA