

Recombinant Human PRTN3 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PRTN3 (Ala26-Arg249) fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	26-249 a.a.
Description	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.
Form	Supplied as a 0.2 µm filtered solution of 10mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0
AA Sequence	AEIVGGHEAQPHSRPYMASLQMRGNPGSHFCGGTLIHPSFVLTAAHCLRDIPQRLV NVVLGAHNV RTQEPTQQHFSAQVFLNNYDAENKLNDVLLIQLSSPANLSASVATV QLPQQDQVPVPHGTQCLAM GWGRVGAHDPPAQVLQELNVTVTFFCRPHNICTFV PRRKAGICFGDSGGPLICDGIIQGIDSFV IWGCATRLFPDFFTRVALYVDWIRSTLRR

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

	VDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	PRTN3 proteinase 3 [Homo sapiens]
Official Symbol	PRTN3
Synonyms	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
Gene ID	5657
mRNA Refseq	NM_002777
Protein Refseq	NP_002768
MIM	177020
UniProt ID	P24158
Chromosome	19p13.3

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Location	
Pathway	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
Function	enzyme binding; serine-type endopeptidase activity; serine-type peptidase activity

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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