

Native Human Proteinase 3

Cat. No. PRTN3-242H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified Native Human Azurophil Granules Proteinase 3
Species	Human
Source	Human Azurophil Granules
Description	Recent studies show a potential role for the serine protease PR3 in determining mortality and incidence of heart failure following AMI. PRTN3 is a serine protease enzyme expressed mainly in neutrophil granulocytes. In human neutrophils proteinase 3 contributes to the proteolytic generation of antimicrobial peptides. PR3 is also the epitope of anti-neutrophil cytoplasmic antibodies (ANCA) of the cANCA (cytoplasmic subtype) class, as the major autoantigen of c-ANCA and is strongly expressed in lung tissue of patients with Wegener's granulomatosis.
Form	Liquid
Molecular Mass	29000
Purity	>96% by SDS-PAGE
Storage	Below -20 °C, Avoid repeat freeze-thaws.

GENE INFORMATION

Gene Name	PRTN3 proteinase 3 [Homo sapiens]
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Official Symbol	PRTN3
Synonyms	PRTN3; proteinase 3; myeloblastin; ACPA; AGP7; C ANCA; MBT; P29; PR 3; serine proteinase; neutrophil; Wegener granulomatosis autoantigen; NP-4; C-ANCA antigen; wegener autoantigen; leukocyte proteinase 3; neutrophil proteinase 4; azurophil granule protein
Gene ID	5657
mRNA Refseq	NM_002777
Protein Refseq	NP_002768
MIM	177020
UniProt ID	P24158
Chromosome Location	19p13.3
Pathway	C-MYB transcription factor network, organism-specific biosystem;
Function	enzyme binding; peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;

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