

## Native Human Proteinase 3

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified Native Human Azurophil Granules Proteinase 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Human Azurophil Granules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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 (ANCAs) 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. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 29000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | >96% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Below -20 °C, Avoid repeat freeze-thaws.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### GENE INFORMATION

|                  |                                     |
|------------------|-------------------------------------|
| <b>Gene Name</b> | PRTN3 proteinase 3 [ Homo sapiens ] |
|------------------|-------------------------------------|

 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>Official Symbol</b>     | PRTN3                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | 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 |
| <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>          | <a href="#">P24158</a>                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 19p13.3                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | C-MYB transcription factor network, organism-specific biosystem;                                                                                                                                                                                                |
| <b>Function</b>            | enzyme binding; peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;                                                                                                                                        |