

Recombinant Human PRTN3

Catalog No: C628

Description	Recombinant Human Proteinase 3 is produced by our Mammalian expression system and the target gene encoding Ala26-Arg249 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Myeloblastin; AGP7; C-ANCA Antigen; Leukocyte Proteinase 3; PR-3; PR3; Neutrophil Proteinase 4; NP-4; P29; Wegener Autoantigen; PRTN3; MBN
Accession No.	P24158
Formulation	Supplied as a 0.2 µm filtered solution of 10mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Amino Acid Sequence	<p>AEIVGGHEAQPHSRPYMASLQMRGNPGSHFCGGTLIHPSFVLTAHCLRDIPQRLVNVVLGAHNVRT</p> <p>QEPTQQHFSAQVFL</p> <p>NNYDAENKLNVDLLIQLSSPANLSASVATVQLPQQDQPVPHGTQCLAMGWGRVGAHDPPAQVLQEL</p> <p>NVTVVTFPCRPHNIC</p> <p>TFVPRRKAGICFGDSGGPLICDGIQGIDSFVIWGCATRLFPDFFTRVALYVDWIRSTLRRVDHHHHHH</p>
Background	<p>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.</p>

SDS-Page

