



Recombinant Protein Technical Manual

Recombinant Human Proteinase 3/PRTN3 Protein (His Tag) RPES3384

Product Data:

Product SKU: RPES3384

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P24158

Protein Information:

Molecular Mass: 25.6 kDa

AP Molecular Mass: 34 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 10mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Myeloblastin; AGP7; C-ANCA Antigen; Leukocyte Proteinase 3; PR-3; PR3; Neutrophil Proteinase 4; NP-4; P29; Wegener Autoantigen; PRTN3; MBN

Immunogen Information:

Sequence: Ala26-Arg249

Background:

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 (ANCAs) of the cANCA (cytoplasmic subtype) class, a type of antibody frequently found in the disease Wegener's granulomatosis.