

PRTN3 recombinant protein

Human PRTN3 Protein, His Tag

CATALOG #
AAA47559

HOST
HEK293

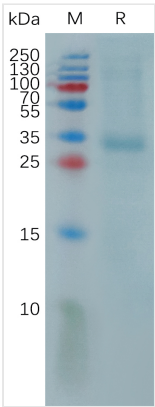
PRODUCT SYNONYMS

PRTN3; Human PRTN3 Protein; His Tag; ACPA; AGP7; C-ANCA; CANCA; MBN; MBT; NP-4; NP4; P29; PR-3; PR3; PRTN3 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Tag	C-6×His tag
Target	PRTN3
Molecular Characterization	PRTN3(Ala26-Pro256) 6×His tag
Visual Inspection	Test: Vial Label Specification: Label aligned and complete Result: Pass Test: Bottle Sealing (manual check) Specification: Sealed tight Result: Pass
Quantity Bioactivity	Test: BCA method Specification: $\geq$ Specified quantity Result: Pass Test: Elisa OD450 value (0.2ug/well) Specification: Bind to anti-DYKDDDDK monoclonal antibody Result: Pass
Other Properties	Test: pH Specification: 7.4 ± 0.5 Result: Pass
Reconstitution	1.Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5 min at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube. 2.Dissolved lyophilized protein sample in sterile water based on the recommended volume 26.32 ul. 3. After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Preparation and Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES



SDS-PAGE
Figure 1. Human PRTN3 Protein, His Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for PRTN3 recombinant protein	Recombinant Human PRTN3 Protein with C-terminal 6×His tag Serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) (PubMed:3198760, PubMed:2033050, PubMed:28240246). By cleaving and activating receptor F2RL1/PAR-2, enhances endothelial cell barrier function and thus vascular integrity during neutrophil transendothelial migration (PubMed:23202369). May play a role in neutrophil transendothelial migration, probably when associated with CD177 (PubMed:22266279).
Product Categories/Family for PRTN3 recombinant protein	Bioactive Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	71361688
NCBI GeneID	5657
NCBI Accession #	NP_002768.3
NCBI GenBank Nucleotide #	NM_002777.3
UniProt Accession #	P24158; P15637; P18078; Q4VB08; Q4VB09; Q6LBM7; Q6LBN2; Q9UD25; Q9UQD8
Molecular Weight	The protein has a predicted molecular mass of 26.2 kDa after removal of the signal peptide. The apparent molecular mass of PRTN3-His is approximately 25-35 kDa due to glycosylation.
NCBI Official Full Name	myeloblastin
NCBI Official Synonym Full Names	proteinase 3
NCBI Official Symbol	PRTN3
NCBI Official Synonym Symbols	MBN; MBT; NP4; P29; PR3; ACPA; AGP7; NP-4; PR-3; CANCA; C-ANCA
NCBI Protein Information	myeloblastin; C-ANCA antigen; wegenger autoantigen; leukocyte proteinase 3; neutrophil proteinase 4; azurophil granule protein 7; serine proteinase, neutrophil; Wegener granulomatosis autoantigen
UniProt Protein Name	Myeloblastin
UniProt Gene Name	PRTN3
UniProt Synonym Gene Names	MBN; PR-3; PR3; NP-4
UniProt Entry Name	PRTN3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/prtn3-recombinant-protein-hek293/47559>