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Datasheet for ABIN1097436

PRTN3 Protein (AA 26-249) (His tag)

Overview

Quantity:	50 µg
Target:	PRTN3
Protein Characteristics:	AA 26-249
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRTN3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Proteinase 3/PRTN3/Myeloblastin (C-6His)
Sequence:	AEIVGGHEAQ PHSRPYMASL QMRGNPGSHF CGGTLIHPSF VLTAAHCLRD IPQRLVNVVL GAHNVRTQEP TQQHFSVAQV FLNNYDAENK LNDVLLIQLS SPANLSASVA TVQLPQQDQP VPHGTQCLAM GWGRVGAHDP PAQVLQELNV TVVTFFCRPH NICTFVPRRK AGICFGDSGG PLICDGIIQG IDSFVIWGCA TRLPDFFTR VALYVDWIRS TLRRVDHHHH HH
Characteristics:	Recombinant Human Proteinase 3/PRTN3 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Ala26-Arg249) of Human PRTN3 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PRTN3
Alternative Name:	proteinase-3 (PRTN3 Products)
Sub Type:	Fusionprotein
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 (ANCAs) of the cANCA (cytoplasmic subtype) class, a type of antibody frequently found in the disease Wegener's granulomatosis.</p> <p>Alternative Names: Myeloblastin, AGP7, C-ANCA Antigen, Leukocyte Proteinase 3, PR-3, PR3, Neutrophil Proteinase 4, NP-4, P29, Wegener Autoantigen, PRTN3, MBN</p>
Molecular Weight:	25.64 kDa
UniProt:	P24158

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 10 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months