

Product datasheet for PH320949

PR3 (PRTN3) (NM_002777) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRTN3 MS Standard C13 and N15-labeled recombinant protein (NP_002768)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220949
Predicted MW:	27.6 kDa
Protein Sequence:	>RC220949 representing NM_002777 Red=Cloning site Green=Tags(s) MAHRPPSPALASVLLALLLSGAARAAEIVGGHEAQPHSRPYMASLQMRGNPGSHFCGGTLIHPSFVLTAA HCLRDIPQRLVNVVLGAHNVRTQEPTQQHF SVAQVFLNNYDAENKLN DILLIQLSSPANLSASVATVQLP QQDQPVPHGTQCLAMGWGRVGAHDPPAQVLQELNVTVVTFFCRPHNICTFVPRRKAGICFGDSSGPLICD GIIQGIDSFVIWGCATRLFPDFFTRVALYVDWIRSTLRRVEAKGRP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002768
RefSeq Size:	1001
RefSeq ORF:	768
Synonyms:	ACPA; AGP7; C-ANCA; CANCA; MBN; MBT; NP-4; NP4; P29; PR-3; PR3
Locus ID:	5657
UniProt ID:	P24158



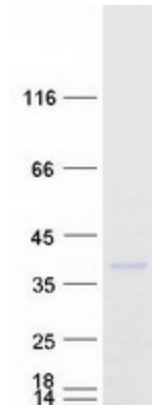
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Cytogenetics: 19p13.3

Summary: 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).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified PRTN3 protein (Cat# [TP320949]). The protein was produced from HEK293T cells transfected with PRTN3 cDNA clone (Cat# [RC220949]) using MegaTran 2.0 (Cat# [TT210002]).