

Product datasheet for PH310596

PITRM1 (NM_014889) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PITRM1 MS Standard C13 and N15-labeled recombinant protein (NP_055704)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210596
Predicted MW:	117.5 kDa
Protein Sequence:	>RC210596 protein sequence Red=Cloning site Green=Tags(s)

MWRCGGRQGLCVLRRLSGGHAHHRWRWNSNRACERALQYKLGDKIHGFTVNQVTSVPELFLTAVKLTHTD
DTGARYLHLAREDTNNLFSVQFRTTPMDSTGVPHILEHTVLCGSQKYPGRDPFFKMLNRSLSSTFMNAFTA
SDYTVYPFSTQNPKDFQNLQSVYLDATFFPCLRELDWFQEGWRLEHENPSDPQTPLVFKGVVFNEMKGAF
TDNERIFSQHLQNRLLPDHTYSVSGGDPLCIPELTWEQLKQFHATHYHPSNARFFTYGNFPLEQHLKQI
HEEALSKFQKIEPSTVPAQTPWDKPREFQITCGPDSFATDPSKQTTVSVSFLLPDITDTFEAFTLSLLS
SLLTSGPNSPFYKALIESGLGTDSPDVGNGYTRAYFSVGLQGIVEKDIETVRSIDRTIDEVVEKGF
EDDRIEALLHKIEIQMKHQSTSFGLMLTSYIASCWNHGDGPVELLKLGNQLAKFRQCLQENPKFLQEKVK
QYFKNNQHKLTLSPRPDDKYHEKQAQVEATKQKQVEALSPGDRQIQIYEKLELRQSQKSPQDASCLPAL
KVSDIEPTIPVTELDVVLTAGDIPVQYCAQPTNGMVYFRAFSSNLNTPPEELRPYVPLFCSVLTKLGCGLL
DYREQAQQIELKTGGMSASPHVLPDDSHMDTYEQGVLFSSCLDRNLPDMMQLWSEIFNPNCFEEEEHFK
VLVKMTAQELANGIPDSGHLIASIRAGRTLTPAGDLQETFSGMDQVRLMKRIAEMTDIKPILRKLPRIKK
HLLNGDNMRCVSNATPQQMPQTEKAVEDFLRSIGRSKERRPVRPHTVEKPVSSGGDAHVPHGSQVIR
KLVMEPTFKPWQMKTHFLMPFPVNYVGEICRTVPYTPDHPASFEILARLMTAKFLHTEIREKGGAYGGGA
KLSHNGIFTLYSYRDPNTIETLQSFKAVDWAKSGKFTQQDIDEAKLSVFSTVDAPVAPSDKGMDFLYG
LSDEMKQAHREQLFAVSHDKLLAVSDRYLGTGKSTHGLAILGPENPKIAKDPSTWIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

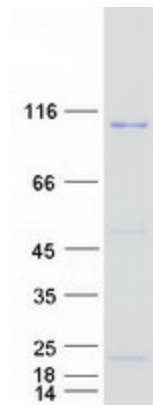
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055704
RefSeq Size:	3505
RefSeq ORF:	3111
Synonyms:	MP1; PreP
Locus ID:	10531
UniProt ID:	Q5JRX3
Cytogenetics:	10p15.2
Summary:	The protein encoded by this gene is an ATP-dependent metalloprotease that degrades post-cleavage mitochondrial transit peptides. The encoded protein binds zinc and can also degrade amyloid beta A4 protein, suggesting a possible role in Alzheimer's disease. [provided by RefSeq, Dec 2016]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified PITRM1 protein (Cat# [TP310596]). The protein was produced from HEK293T cells transfected with PITRM1 cDNA clone (Cat# [RC210596]) using MegaTran 2.0 (Cat# [TT210002]).