Recombinant Full Length Human pitrilysin metallopeptidase 1 Protein, Flag Tagged

Cat. No. PITRM1-20HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein of human pitrilysin metallopeptidase 1 (PITRM1) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	1-1037aa
Description	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.
Tag	C-Flag
Molecular Mass	117.2 kDa
AA Sequence	MWRCGGRQGLCVLRRLSGGHAHHRAWRWNSNRACERALQYKLGDKIHGFTVNQ VTSVPELFLTAVKLTHDDTGARYLHLAREDTNNLFSVQFRTTPMDSTGVPHILEHTVL CGSQKYPCRDPFFKMLNRSLSTFMNAFTASDYTVYPFSTQNPKDFQNLLSVYLDAT FFPCLRELDFWQEGWRLEHENPSDPQTPLVFKGVVFNEMKGAFTDNERIFSQHLQ NRLLPDHTYSVVSGGDPLCIPELTWEQLKQFHATHYHPSNARFFTYGNFPLEQHLK QIHEEALSKFQKIEPSTVVPAQTPWDKPREFQITCGPDSFATDPSKQTTVSVSFLLPD

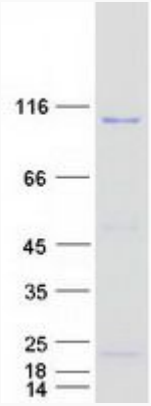
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	ITDTFEAFTLSLLSSLLTSGPNSPFYKALIESGLGTDFSPDVGYNGYTREAYFSVGLQ GIVEKDIETVRSLIDRTIDEVVEKGFEDDRIEALLHKIEIQMKHQSTSFGLMLTSYIASC WNHDGDPVELLKLGNQLAKFRQCLQENPKFLQEKVKQYFKNNQHKLTLSMRPDDK YHEKQAQVEATKLKQKVEALSPGDRQQIYEKGLELRSQQSKPQDASCLPALKVSDIE PTIPVTELDVVLTAGDIPVQYCAQPTNGMVYFRAFSSLNTLPEELRPYVPLFCSVLTK LGCGLLDYREQAQQIELKTGGMSASPHVLPDDSHMDTYEQGVLFSSLCLDRNLPDM MQLWSEIFNNPCFEEEEHFKVLVKMTAQELANGIPDSGHLYASIRAGRTLTPAGDLQ ETFSGMDQVRLMKRIAEMTDIKPILRKLPRIKKHLLNGDNMRCSVNATPQQMPQTEK AVEDFLRSIGRSKKERRPVRPHTVEKPVPSSSGGDAHVPHGSQVIRKLVMEPTFKP WQMKTHFLMPFPVNYVGECIRTVPYTDPDHASFEILARLMTAKFLHTEIREKGGAYG GGAKLSHNGIFTLYSYRDPNTIETLQSFGKAVDWAKSGKFTQQDIDEAKLSVFSTVD APVAPSDKGMDHFLYGLSDEMKQAHREQLFAVSHDKLLAVSDRYLGTGKSTHGLAI LGPENPKIAKDPSWIIRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Concentration	> 0.05 μg/μL as determined by microplate BCA method

GENE INFORMATION

Gene Name	PITRM1 pitrilysin metallopeptidase 1 [Homo sapiens (human)]

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Official Symbol	PITRM1
Synonyms	PITRM1; pitrilysin metallopeptidase 1; MP1; PreP; SCAR30; presequence protease, mitochondrial; PreP peptidasome; metalloprotease 1 (pitrilysin family); pitrilysin metalloproteinase 1; EC 3.4.24.-
Gene ID	10531
mRNA Refseq	NM_014889
Protein Refseq	NP_055704
MIM	618211
UniProt ID	Q5JRX3
SDS-PAGE	 Coomassie blue staining of purified PITRM1 protein. The protein was produced from HEK293T cells transfected with PITRM1 cDNA clone using MegaTran 2.0.

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