

Recombinant Human PITRM1, His-tagged

Cat. No. PITRM1-27541TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 364-1037 of Human PITRM1 with N terminal His tag; MWt 80 kDa.
Species	Human
Source	E.coli
ProteinLength	364-1037 a.a.
Description	Presequence protease, mitochondrial is an enzyme that in humans is encoded by the PITRM1 gene.
Conjugation	HIS
Tissue specificity	Widely expressed. Expressed at higher level in muscle and heart compared to brain, pancreas, liver, lung and placenta.
Form	Lyophilised:Reconstitute with 58 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	ALIESGLGTDSPDVGNGYTREAYFSVGLQGIAEKDIET VRSLIDRTIDEVVEKGFE

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 45-1 Ramsey Road, Shirley, NY 11967, USA

acids

DDRIEALLHKIEIQMKHQST SFGLMLTSYIASCWNHDGDPVELLKLGNQLAKFRQCL
 Q ENPKFLQEKVQYFKNNQHKLTLSMRPDDKYHEKQAQVEA TKLKQKVEALSPGD
 RQQIYEKGLELRSQQSKPQDASCL PALKVSDIEPTIPVTELDVVLTAGDIPVQYCAQP
 TNGM VYFRAFSSLNTLPEELRPYVPLFCSVLTKLGCGLLDYREQAQQIELKTGGMS
 ASPHVLPPDDSHMDTYEQGVLFSSLCL DRNLPDMMQLWSEIFNNPCFEEEEHFKVL
 VKMTAQELA NGIPDSGHLYASIRAGRTLTPAGDLQETFSGMDQVRLM KRIAEMTDI
 KPILRKLPRIKKHLLNGDNMRCNVNATPQQM PQTEKAVEDFLRSIGRSKKERRPVR
 PHTVEKVPVSSSG GDAHVPHGSQVIRKLVMEPTFKPWQMKTHFLMPFPVNY VGE
 CIRTVPYTPDPHASLKILARLMTAKFLHTEIREKGGAYGGGAKLSHNGIFTLYSYRDP
 NTIETLQSFGKAVDWAK SGKFTQQDIDEAKLSVFSTVDAPVAPSDKGMDHFLYGL S
 DEMKQAHREQLFAVSHDKLLAVSDRYLGTGKSTHGLA ILGPENPKIAKDPSWIIQ

Sequence
Similarities

Belongs to the peptidase M16 family. PreP subfamily.

GENE INFORMATION

Gene Name

PITRM1 pitrilysin metallopeptidase 1 [[Homo sapiens](#)]

Official Symbol

[PITRM1](#)

Synonyms

PITRM1; pitrilysin metallopeptidase 1; pitrilysin metalloproteinase 1; presequence protease, mitochondrial; hMP1; KIAA1104; MP1; PreP; PreP peptidasome;

Gene ID

[10531](#)

mRNA Refseq

[NM_001242307](#)

Protein Refseq

[NP_001229236](#)

Uniprot ID

[Q5JRX3](#)

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Chromosome Location	10p15.2
Function	enzyme activator activity; metal ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;

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