

Recombinant Human PMPCA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PMPCA-1676H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PMPCA MS Standard C13 and N15-labeled recombinant protein (NP_055975) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is found in the mitochondrion, where it represents the alpha subunit of a proteolytic heterodimer. This heterodimer is responsible for cleaving the transit peptide from nuclear-encoded mitochondrial proteins. Defects in this gene are a cause of spinocerebellar ataxia, autosomal recessive 2.
Molecular Mass	58.1 kDa
AA Sequence	MAAVVLAATRLLRGSGSWGCSRLRFGPPAYRRFSSGGAYPNIPLSSPLPGVPKPVF ATVDGQEKETFKTVTTLDNGLRVASQNKFGQFCTVGILINSGSRYEAKYLSGIAHFLEK LAFSSTARFDSKDEILLTLEKHGGICYCQTSRDTTMYAVSADSKGLD TVVALLADVVL QPRLTDEEVEMTRMAVQFELEDNLNRPDPEPLLTEMIHEAAYRENTVGLHRFCPT NVAKINREVLHSYLRNYYTPDRMVLAVGVGEHEHLVDCARKYLLGVQPAWGSAEAV DIDRSVAQYTGGIKLERDMSNVSLGPTPIPELTHIMVGLESCSFLEEDFIPFAVLNM MMGGGGSFSAGGPGKGMFSRLYNVLNRHHWMYNATSYHHSYEDTGLLCIHASA DPRQVREMVEITKEFILMGGTVDTVELERAKTQLTSMMLMMNLESRPVIFEDVGRQV LATRSRKLPHLCTLRNVKPEDVKRVASKMLRGKPAVAALGDLTDLPTYEHIQTALS

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SKDGRLPRTYRLFRTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PMPCA peptidase, mitochondrial processing subunit alpha [Homo sapiens (human)]
Official Symbol	PMPCA
Synonyms	PMPCA; peptidase (mitochondrial processing) alpha; inositol polyphosphate 5 phosphatase, 72 kD, INPP5E; mitochondrial-processing peptidase subunit alpha; Alpha MPP; KIAA0123; P-55; inositol polyphosphate-5-phosphatase, 72 kD; mitochondrial matrix processing protease, alpha subunit; INPP5E; Alpha-MPP; FLJ26258; MGC104197;
Gene ID	23203
mRNA Refseq	NM_015160
Protein Refseq	NP_055975

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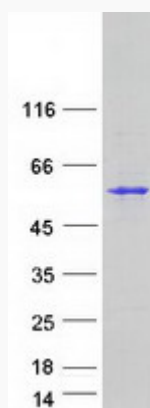
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MIM 613036

UniProt ID Q10713

SDS-PAGE



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