

Product datasheet for PH317017

PMPCA (NM_015160) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PMPCA MS Standard C13 and N15-labeled recombinant protein (NP_055975)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217017
Predicted MW:	58.1 kDa
Protein Sequence:	>RC217017 representing NM_015160 Red=Cloning site Green=Tags(s)

MAAVVLAATRLLRGSGSWGCSRLRFPPAYRRFSSGGAYPNIPSSPLPGVPKPVFATVDGQEKFKTKVT
TLDNGLRVASQNKFGQFCTVGILINSGSRYEAKYLSGIAHFLEKLAFFSSTARFDSKDEILLTLEKHGGIC
YCQTSRDTTMYAVSADSKGLDVTVALADVVLQPRLTDEEVEMTRMAVQFELEDLNLRPDPEPLITEMIH
EAAYRENTVGLHRFCPTENVAKINREVLHSYLRNYYTPDRMVLAVGVEHEHLVDCARKYLLGVQPAWGS
AEAVIDRSVAQYTGGIKLERDMSNVSLGPTPIPELTHIMVGLSECSFLEEDFIPFAVLNMMMGGGGSF
SAGGPGKGMFSRLYLNVLNRHHWYNATSYHHSYEDTGLLCIHASADPRQVREMEIITKEFILMGGTVD
TVELERAKTQLTSMMLMNLESRPVIFEDVGRQVLATRSRKLPHELCTLRNVKPEDVKRVASKMLRGKPA
VAALGDLTDLPTYEHIQTALSSKDGRLPRTYRLFR

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_055975</u>
RefSeq Size:	2097
RefSeq ORF:	1575



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Synonyms: Alpha-MPP; CLA1; CPD3; INPP5E; MAS2; P-55; SCAR2

Locus ID: 23203

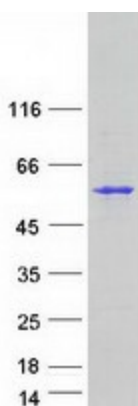
UniProt ID: [Q10713](#)

Cytogenetics: 9q34.3

Summary: 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. [provided by RefSeq, Mar 2016]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified PMPCA protein (Cat# [TP317017]). The protein was produced from HEK293T cells transfected with PMPCA cDNA clone (Cat# [RC217017]) using MegaTran 2.0 (Cat# [TT210002]).