

Product datasheet for PH310043

PPM1F (NM_014634) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPM1F MS Standard C13 and N15-labeled recombinant protein (NP_055449)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210043
Predicted MW:	49.7 kDa
Protein Sequence:	>RC210043 protein sequence Red=Cloning site Green=Tags(s)
	MSSGAPQKSSPMASGAETPGFLDTLLQDFPALLNPEDPLPWKAPGTVLSQEEVEGELAELAMGFLGSRK APPPLAAALAHEAVSLLQTDLSEFRKLPREEEEEEDDEEKAPVTLLDAQSLAQSFNRLWEVAGQWQ KQVPLAARASQRQWLVSIIAIRNTRRKMEDRHVSLPSFNQLFGLSDPVNRAYFAVFDGHGGVDAARYAAV HVHTNAARQPELPTDPEGALREAFRRDQMFLRKAKRERLQSGTTGVCAL IAGATLHVAVLWLDGSDQVILVQ QQGVVKLMEPHRPERQDEKARIEALGGFVSHMDCWRVNGTLAVSRAIGDVFQKPYVSGEADAASRALTGS EDYLLACDGFDFVVPHQEVVGLVQSHL TRQQGSLRVAEELVAAARERGSNDNITVMVVFLRDPQELLE GGNQGEGDPQAEGRRQDLPSSLPEPETQAPPRS
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_055449</u>
RefSeq Size:	5199
RefSeq ORF:	3534
Synonyms:	CAMKP; CaMKPase; FEM-2; hFEM-2; POPX2



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Locus ID: 9647

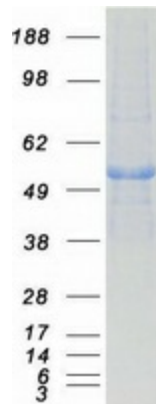
UniProt ID: [P49593](#)

Cytogenetics: 22q11.22

Summary: The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis. An alternatively spliced transcript variant has been identified, but its full-length nature has not been determined. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified PPM1F protein (Cat# [TP310043]). The protein was produced from HEK293T cells transfected with PPM1F cDNA clone (Cat# [RC210043]) using MegaTran 2.0 (Cat# [TT210002]).