

## Product datasheet for PH318909

### PPM1L (NM\_139245) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPM1L MS Standard C13 and N15-labeled recombinant protein (NP_640338)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218909
Predicted MW:	40.9 kDa
Protein Sequence:	>RC218909 representing NM_139245 Red=Cloning site Green=Tags(s)  <p>MIEDTMTLLSLLGRIMRYFLLRPETLFLLCISLALWSYFFHTDEVKTIVKSSRDVAVKMKVKGVAEIMQND  RLGGLDVLEAEFSKTWEFKNHNNAVYSIQGRRDHMEDRFEVLTDLANKTHPSIFGIFDGHGGETAAEYVK  SRLPEALKQHLQDYEKDKENSVLSYQTILEQQILSIDREMLEKLTVSYDEAGTTCLIALLSKDLTVANV  GDSRGVLCDKDGNAIPLSHDHKPYQLKERKRIKRAGGFISFNGSWRVQGILAMSRSLGDYPLKNLNVVIP  DPDILTFDLKLPQEFMILASDGLWDAFSNEEAVERFIKERLDEPHFGAKSIVLQSFYRGCPDNITVMVVK  FRNSSKTEEQ</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_640338</a>
RefSeq Size:	3056
RefSeq ORF:	1080
Synonyms:	PP2C-epsilon; PP2CE; PPM1-LIKE
Locus ID:	151742



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UniProt ID: [Q5SGD2](#)

Cytogenetics: 3q25.33-q26.1

**Summary:** The protein encoded by this gene is a magnesium or manganese-requiring phosphatase that is involved in several signaling pathways. The encoded protein downregulates apoptosis signal-regulating kinase 1, a protein that initiates a signaling cascade that leads to apoptosis when cells are subjected to cytotoxic stresses. This protein also is an endoplasmic reticulum transmembrane protein that helps regulate ceramide transport from the endoplasmic reticulum to the Golgi apparatus. Finally, this gene may be involved in adiposity since it is upregulated in adipose tissues. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]

**Protein Families:** Druggable Genome, Phosphatase

### Product images:



Coomassie blue staining of purified PPM1L protein (Cat# [TP318909]). The protein was produced from HEK293T cells transfected with PPM1L cDNA clone (Cat# [RC218909]) using MegaTran 2.0 (Cat# [TT210002]).