

Product datasheet for PH323311

PPA2 (NM_176869) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPA2 MS Standard C13 and N15-labeled recombinant protein (NP_789845)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223311
Predicted MW:	34.8 kDa
Protein Sequence:	>RC223311 representing NM_176869 Red=Cloning site Green=Tags(s) MSALLRLLRTGAPAAACLRLGTSAGTGSRRAMALYHTEERGQPCSQNYRLFFKNVTGHYISPFHDIPLKV NSKEENGIPMKKARNDEYENLFNMIVEIPRWTNAKMEIATKEPMNPIKQYVKDGKLRVANIFPYKGYIW NYGTLPQTWEDPHEKDKSTNCFGDNDPIDVCEIGSKILSCGEVIHVKILGILALIDEGETDWKLIANAN DPEASKFHDIDDVKKFKPGYLEATLNWFRLYKVPDGKPENQFAFNGEFKNKAFALAVIKSTHQCWKALLM KNCNGGAINCTNVQISDSPFRCTQEEARSLVESVSSSPNKESNEEEQVWHFLGK 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:	NP_789845
RefSeq Size:	1682
RefSeq ORF:	1002
Synonyms:	HSPC124; SCFAI; SCFI; SID6-306
Locus ID:	27068



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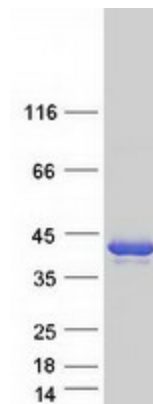
UniProt ID: [Q9H2U2](#)

Cytogenetics: 4q24

Summary: The protein encoded by this gene is localized to the mitochondrion, is highly similar to members of the inorganic pyrophosphatase (PPase) family, and contains the signature sequence essential for the catalytic activity of PPase. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Protein Pathways: Oxidative phosphorylation

Product images:



Coomassie blue staining of purified PPA2 protein (Cat# [TP323311]). The protein was produced from HEK293T cells transfected with PPA2 cDNA clone (Cat# [RC223311]) using MegaTran 2.0 (Cat# [TT210002]).