

Product datasheet for TP323311

PPA2 (NM_176869) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pyrophosphatase (inorganic) 2 (PPA2), nuclear gene encoding mitochondrial protein, transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223311 representing NM_176869 Red =Cloning site Green =Tags(s)

MSALLRLLRTGAPAAACLRGLGTSAGTGSRRAMALYHTEERGQPCSQNYRLFFKNVTGHYISPFHDIPLKV
 NSKEENGIPMKKARNDEYENLFNMIVEIPRWNAKMEIATKEPMNPIKQYVKDGKRLRYVANIFPYKGYIW
 NYGTLPQTWEDPHEKDKSTNCFGDNDPIDVCEIGSKILSCGEVIHVKILGILALIDEGETDWKLIANAN
 DPEASKFHDIDDVKKFKPGYLEATLNWFRLYKVPDGKPENQFAFNGEFKNKAFALEVIKSTHQCWKALLM
 KNCNGGAINCTNVQISDSPFRCTQEEARSLVESVSSSPNKESNEEEQVWHFLGK

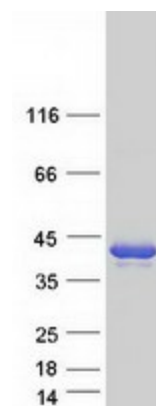
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_789845</u>
Locus ID:	27068


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UniProt ID:	<u>Q9H2U2</u>
RefSeq Size:	1682
Cytogenetics:	4q24
RefSeq ORF:	1002
Synonyms:	HSPC124; SCFAI; SCFI; SID6-306
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]).