

## Product datasheet for PH309393

### Pyrophosphatase 1 (PPA1) (NM\_021129) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPA1 MS Standard C13 and N15-labeled recombinant protein (NP_066952)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209393
Predicted MW:	32.7 kDa
Protein Sequence:	>RC209393 protein sequence Red=Cloning site Green=Tags(s)  MSGFSTEERAAPFSLEYRVFLKNEKGQYISPFHDIPIYADKDVFMVVEVPRWSNAKMEIATKDPLNPIK QDVKKGKLRVYVANLFPYKGYIWNYGAIPQTWEDPGHNDKHTGCCGNDPIDVCEIGSKVCARGEIIGVKV LGILAMIDEGETDWKVIAINVDDPDAANYNDINDVKRLKPGYLEATVDWFRRYKVPDGKPENEFANAEF KDKDFAIDIIKSTHDKALVTKKTNGKGISCMNTTLESFPCDPDAARAIVDALPPPCESACTVPTDV DKWFHHQKN  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- <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_066952</a>
RefSeq Size:	1316
RefSeq ORF:	867
Synonyms:	HEL-S-66p; IOPPP; PP; PP1; SID6-8061
Locus ID:	5464



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UniProt ID: [Q15181](#), [V9HWB5](#)

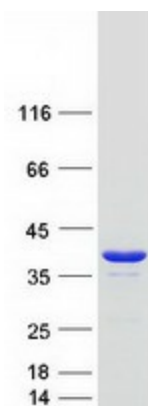
Cytogenetics: 10q22.1

**Summary:** The protein encoded by this gene is a member of the inorganic pyrophosphatase (PPase) family. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Studies of a similar protein in bovine suggested a cytoplasmic localization of this enzyme. [provided by RefSeq, Jul 2008]

**Protein Families:** ES Cell Differentiation/IPS

**Protein Pathways:** Oxidative phosphorylation

### Product images:



Coomassie blue staining of purified PPA1 protein (Cat# [TP309393]). The protein was produced from HEK293T cells transfected with PPA1 cDNA clone (Cat# [RC209393]) using MegaTran 2.0 (Cat# [TT210002]).