

## Product datasheet for PH303307

### Cyclophilin A (PPIA) (NM\_021130) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPIA MS Standard C13 and N15-labeled recombinant protein (NP_066953)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203307
Predicted MW:	18 kDa
Protein Sequence:	>RC203307 protein sequence Red=Cloning site Green=Tags(s)  MVNPTVFFDIAVDGEPLGRVSFELFADKVPKTAENFRALSTGEKGFYKGSFCFHRIIPGFMCQGGDFTRH NGTGGKSIYGEKFEDENFTLKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFVKYKEGMNIVE AMERFGSRNGKTSKKITIAADCGQLE  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_066953</a>
RefSeq Size:	2288
RefSeq ORF:	495
Synonyms:	CYPA; CYPH; HEL-S-69p
Locus ID:	5478
UniProt ID:	<a href="#">P62937</a> , <a href="#">Q567Q0</a> , <a href="#">V9HWF5</a>

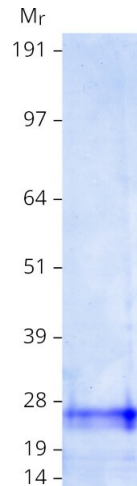


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Cytogenetics: 7p13

**Summary:** This gene encodes a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. The encoded protein is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. The protein can also interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions. Multiple pseudogenes that map to different chromosomes have been reported. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified PPIA protein (Cat# [TP303307]). The protein was produced from HEK293T cells transfected with PPIA cDNA clone (Cat# [RC203307]) using MegaTran 2.0 (Cat# [TT210002]).