

## Product datasheet for **TP303307**

### Cyclophilin A (PPIA) (NM\_021130) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidylprolyl isomerase A (cyclophilin A) (PPIA), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203307 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MVNPTVFFDIAVDGEPLGRVSFELFADKVPKTAENFRALSTGEKGFYKGSCHFRIIPGFMCGGGDFTRH NGTGGKSIYGEKFEDENFTLKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFGKVKEGMNIVE AMERFGSRNGKTSKKITIADCGQLE  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	17.8 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:	<a href="#">NP_066953</a>
Locus ID:	5478
UniProt ID:	<a href="#">P62937</a>
RefSeq Size:	2288


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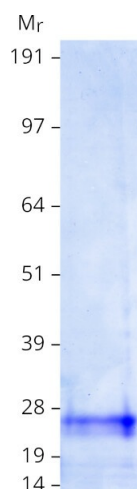
**Cytogenetics:** 7p13

**RefSeq ORF:** 495

**Synonyms:** CYPA; CYPH; HEL-S-69p

**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]).