

Recombinant Human PPIA Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PPIA-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPIA MS Standard C13 and N15-labeled recombinant protein (NP_066953) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	18 kDa
AA Sequence	MVNPTVFFDIAVDGEPLGRVSFELFADKVPKTAENFRALSTGEKGFYKGSCHFRIIP GFMCQGGDFTRHNGTGGKSIYGEKFEDENFTLKHTGPGILSMANAGPNTNGSQFFI CTAKTEWLDGKHVVFGKVKEGMNIVEAMERFGSRNGKTSKKITIADCGQLETRTRP LEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	PPIA peptidylprolyl isomerase A [Homo sapiens (human)]
Official Symbol	PPIA
Synonyms	PPIA; peptidylprolyl isomerase A; CYPA; CYPH; HEL-S-69p; peptidyl-prolyl cis-trans isomerase A; PPIase A; T cell cyclophilin; cyclosporin A-binding protein; epididymis secretory sperm binding protein Li 69p; peptidylprolyl isomerase A (cyclophilin A); rotamase A; EC 5.2.1.8
Gene ID	5478
mRNA Refseq	NM_021130
Protein Refseq	NP_066953
MIM	123840
UniProt ID	P62937

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SDS-PAGE



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