

Product datasheet for **TP306039M**

Cyclophilin 40 (PPID) (NM_005038) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peptidylprolyl isomerase D (PPID), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206039 protein sequence Red =Cloning site Green =Tags(s)
	MSHPSPQAKPSNPSNPRVFFDVIDGGERVGRIVLELFADIVPKTAENFRALCTGKEKGIGHTTGKPLHFKG CPFHRIKKFMIQGGDFSNQNGTGGESIYGEKFEDENFHYKHDREGLLSMANAGRNTNGSQFFITVPTP HLDGKHVVFGQVIKIGVARILENVEVKGEKPAKLCVIAECGELKEGDDGGIFPKDGS GDSHPDFPEDAD IDLKDVDKILLITEDLKNIGNTFKSNWEMAIKKYAEVLRVYDSSKAVIETADRAKLQPIALSCLVNIG ACKLKMSNWQGAIDSCLEALELDPSTNKALYRRAQGWQGLKEYDQALADLKKAAQGIAPEDKAIQAELLKV KQKIKAQKDKKAVYAKMFA
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	40.6 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:	NP_005029
Locus ID:	5481



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UniProt ID: [Q08752](#), [E5KN55](#)

RefSeq Size: 1851

Cytogenetics: 4q32.1

RefSeq ORF: 1110

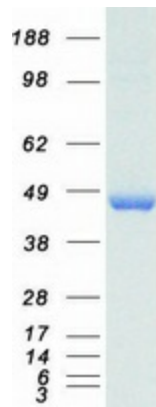
Synonyms: CYP-40; CYPD

Summary: The protein encoded by this gene is 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. This protein has been shown to possess PPIase activity and, similar to other family members, can bind to the immunosuppressant cyclosporin A. [provided by RefSeq, Jul 2008]

Protein Families: Stem cell - Pluripotency

Protein Pathways: Calcium signaling pathway, Huntington's disease, Parkinson's disease

Product images:



Coomassie blue staining of purified PPID protein (Cat# [TP306039]). The protein was produced from HEK293T cells transfected with PPID cDNA clone (Cat# [RC206039]) using MegaTran 2.0 (Cat# [TT210002]).