

Product datasheet for PH306039

Cyclophilin 40 (PPID) (NM_005038) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPID MS Standard C13 and N15-labeled recombinant protein (NP_005029)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206039
Predicted MW:	40.8 kDa
Protein Sequence:	>RC206039 protein sequence Red=Cloning site Green=Tags(s) MSHPSPQAKPSNPSNPRVFFDVIDIGGERVGRIVLELFADIVPKTAENFRALCTGEKGIGHTTGKPLHFKG CPFHRIIKKFMIQGGDFSNQNGTGGESIYGEKFEDEFHYKHDREGLLSMANAGRNTNGSQFFITTVPTP HLDGKHVVFQVIKIGIGVARILENVEVKGEKPAKLCVIAECGELKEGDDGGIFPKDGSQSDSHPDFPEDAD IDLKDVKILLITEDLKNIGNTFFKSQNWEMAIKKYAEVLRVVDSSKAVIETADRAKLQPIALSCVLNIG ACKLKMSNWQGAIDSCLEALELDPSTKALYRRAQGWQGLKEYDQALADLKAQGIAPEDKAIQAELLKV KQKIKAQKDEKAVYAKMFA TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_005029</u>
RefSeq Size:	1851
RefSeq ORF:	1110
Synonyms:	CYP-40; CYPD
Locus ID:	5481



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

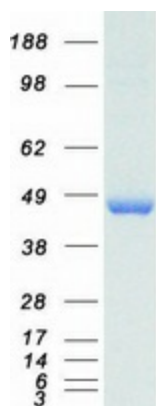
Cytogenetics: 4q32.1

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]).