

Recombinant Mouse Ppid Protein, Myc/DDK-tagged

Cat. No. Ppid-5041M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length peptidylprolyl isomerase D (cyclophilin D) (Ppid), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in pre-mRNA splicing as component of the spliceosome. Combines RNA-binding and PPlase activities. Binds mRNA and has a preference for single-stranded RNA molecules with poly-A and poly-U stretches, suggesting it binds to the poly(A)-region in the 3'-UTR of mRNA molecules. Catalyzes the cis-trans isomerization of proline imidic peptide bonds in proteins. Inhibits KMT2A activity; this requires proline isomerase activity.
Molecular Mass	41.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ppid peptidylprolyl isomerase D (cyclophilin D) [Mus musculus (house mouse)]

Official Symbol Ppid

Synonyms PPID; peptidylprolyl isomerase D (cyclophilin D); peptidyl-prolyl cis-trans isomerase D; PPlase D; rotamase D; cyclophilin 40; cyclophilin-40; cytoplasmic cyclophilin D; 40 kDa peptidyl-prolyl cis-trans isomerase; Ppif; Ppidl; CYP-40; 4930564J03Rik

Gene ID 67738

mRNA Refseq NM_026352

Protein Refseq NP_080628

UniProt ID Q9CR16

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