

# Mouse PPID Recombinant Protein



RPPB2153

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## Product Information    Protein Information

**Product SKU:**

RPPB2153

**Accession:**

Q9CR16

**Host:**

Escherichia Coli.

**Protein description:**

PPID Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 395 amino acids (1-370a.a.) and having a molecular mass of 43.4kDa. PPID is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Peptidyl-prolyl cis-trans isomerase D, PPlase D, 40 kDa peptidyl-prolyl cis-trans isomerase, Cyclophilin-40, CYP-40, Cyclophilin-related protein, CYP40, CYPD, PPID, Peptidylprolyl Isomerase D.

**Formulation:**

PPID protein solution (1mg/ml) containing 20mM Tris-Hcl buffer (pH8.0), 10% glycerol and 1mM DTT.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MGSEFMASH PAAKPSNSKN PRVFFDVDIG GERVGRIVLE LFADIVPKTA  
ENFRALCTGE KGTGSTTGKP LHFKGCPFHR IIKKFMIQGG DFSNQNGTGG ESIYGEKFED ENFHYKHRE  
GLLSMANAGP NTNGSQFFIT TVPTPHLDGK HVVFGQVIK LGVARTLENV EVNGEKPAKL CVIAECGELK  
EGDDWGIFPK DSGDSDHPDF PEDADIDLKD VDKILLISED LKNIGNTFFK SQNWEMAIAK YAKVLRVDS  
SKAVIEKADR SRLQPIALSC VLNIGACKLK MSNWQGAIDS CLEALEMDPS NTKALYRKAQ GWQGLKEYDQ  
ALADLKKAQE IAPGDKAIQA ELLKVKQMIK AQKDKKAVY AKMFA.

**Biological Activity:**

Specific activity is > 700nmol/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-PNA per minute at 37°C in Tris-HCl pH 8.0 using chymotrypsin.