

Active Recombinant Mouse Ppid Protein, His-tagged

Cat. No. Ppid-32M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ppid Protein (1-370 aa) is produced by E. coli expression system. This protein is fused with a His-tag.
Species	Mouse
Source	E.coli
ProteinLength	1-370 aa
Description	Ppid, also known as Peptidyl-prolyl cis-trans isomerase D, is a member of peptidyl-prolyl cis-trans isomerase (Pplase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. This protein can bind to the immunosuppressant cyclosporine A and was known that its overexpression the apoptosis in caner cells. Recombinant mouse Ppid protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-Hcl buffer (pH8.0) containing 10% glycerol, 1mM DTT
Bio-activity	Specific activity is > 700 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAFP-PNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.
Molecular Mass	43.4 kDa (395aa) confirmed by MALDI-TOF

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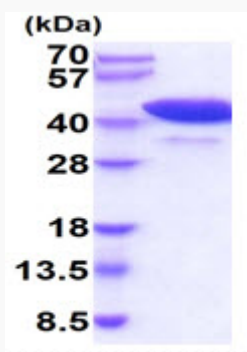
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFMSHAS PAAKPSNSKN PRVFFDVDIG GERVGRIVLE LFADIVPKTA ENFRALCTGE KGTGSTTGKP LHFKGCPFHR IIKKFMIQGG DFSNQNGTGG ESYGEKFED ENFHYKHDRE GLLSMANAGP NTNGSQFFIT TVPTPHLDGK HVVFGQVIKG LGVARTLENV EVNGEKPAKL CVIAECGELK EGDDWGIFPK DGSGDSHPDF PEDADIDLKD VDKILLISED LKNIGNTFFK SQNWEMAICK YAKVLRVDS SKAVIEKADR SRLQPIALSC VLNIGACKLK MSNWQGAIDS CLEALEMDPS NTKALYRKAQ GWQGLKEYDQ ALADLKKAQE IAPGDKAIQA ELLKVKQMIK AQKDKEKAVY AKMFA
Purity	> 90% by SDS - PAGE
Applications	Enzyme Activity; SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 centigrade to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	Ppid peptidylprolyl isomerase D (cyclophilin D) [Mus musculus]
Official Symbol	Ppid
Synonyms	PPID; PPlase D; rotamase D; cyclophilin 40; Ppif; Ppidl; CYP-40; 4930564J03Rik;

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Gene ID	67738
mRNA Refseq	NM_026352
Protein Refseq	NP_080628
UniProt ID	Q9CR16



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain