

Bioactive

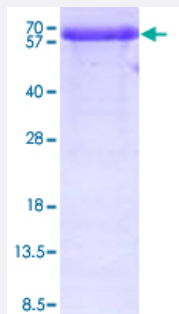
Full-Length

PPIL2 (Human) Recombinant Protein

Catalog # P3502

Size 50 ug

Applications



Specification

Product Description

Human PPIL2 (NP_680481, 1 a.a. - 527 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MGSSHHHHHHSSGLVPRGSHMGKRQHQKDKMYTCAEYTHFYGGKKPDLPQTNFRRLPFDHCS
LSLQPFVYPVCTPDGMFDLLNVPWLKKGYNPSNGEKLDGRSLIKLNFSKNSEGKYHCPVLFTV
FTNNTIHAVRTTGNVYAYEAVEQLNIKAKNFRDLLTDEPFSRQDIITLQDPTNLDKFVSNFYHVKN
NMKIIDPDEEKAKQDPSYLLKNTNAETRETQLQELYKEFKGDEILAATMKAPEKKKVDKLNAAHYST
GKVSASFTSTAMVPETTHEAAAIDEDVLRVYQFVKKKGYYRLHTNKGDLNLELHCDLTPKTCENFIR
LCKKHYYDGTIFHRSIRNFVIQGGDPTGTGTGGESYWGKPFKDEFNPNSHTGRGILSMANSGPNS
NRSQFFITFRSCAYLDKKHTIFGRVVGFDVLTAMENVESDPKTDPRKKEIRIDATTVFVDPYEEA
DAQIAQERKTQLKVAPETKVKSSQPQAGSQGPQTFRQGVGKYINPAATEQQRKSPQPVPLSPCP
RRSPVGVLGTSAPGSSRLPDDH

Host

Escherichia coli

Theoretical MW (kDa)

61.6

Form

Liquid

Preparation Method

Escherichia coli expression system

Purification

Conventional Chromatography

Concentration

0.5 mg/mL

Purity	> 95% by SDS-PAGE
Activity	Specific activity is > 290 nmoles/min/ug, and is defined as the amount of enzyme that cleaves 1umol e of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 8.0 (20% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — PPIL2

Entrez GeneID	23759
Protein Accession#	NP_680481
Gene Name	PPIL2
Gene Alias	CYC4, CYP60, Cyp-60, FLJ39930, MGC33174, MGC787, hCyP-60
Gene Description	peptidylprolyl isomerase (cyclophilin)-like 2
Omim ID	607588
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the cyclophilin family of peptidylprolyl isomerases. The cyclophilins are a highly conserved ubiquitous family, members of which play an important role in protein folding, i mmunosuppression by cyclosporin A, and infection of HIV-1 virions. This protein interacts with the proteinase inhibitor eglin c and is localized in the nucleus. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	cyclophilin, 60kDa cyclophilin-like protein CyP-60 peptidylprolyl cis-trans isomerase peptidylprolyl isomerase-like 2

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)