



Full-Length

PPIL1 (Human) Recombinant Protein

Catalog # P3473 Size 100 ug

Applications



Specification	
Product Description	Human PPIL1 (NP_057143, 1 a.a 166 a.a.) full-length recombinant protein with His tag expressed i n <i>Escherichia coli</i> .
Sequence	MAAIPPDSWQPPNVYLETSMGIIVLELYWKHAPKTCKNFAELARRGYYNGTKFHRIIKDFMIQGGDP TGTGRGGASIYGKQFEDELHPDLKFTGAGILAMANAGPDTNGSQFFVTLAPTQWLDGKHTIFGRV CQGIGMVNRVGMVETNSQDRPVDDVKIIKAYPSGLEHHHHHH
Host	Escherichia coli
Theoretical MW (kDa)	19.3
Form	Liquid
Preparation Method	Escherichia coli expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Activity	Specific activity is > 300 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-HCI pH 8.0 using chymotrypsin.

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Product Information

Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl, 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 — PPIL1	
Entrez GenelD	<u>51645</u>
Protein Accession#	<u>NP_057143</u>
Gene Name	PPIL1
Gene Alias	CGI-124, CYPL1, MGC678, PPlase, hCyPX
Gene Description	peptidylprolyl isomerase (cyclophilin)-like 1
Omim ID	<u>601301</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene is a member of the cyclophilin family of peptidylprolyl isomerases (PPlases). The cyclo philins are a highly conserved, ubiquitous family, members of which play an important role in prote in folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. Based on similarit y to other PPlases, this protein could accelerate the folding of proteins and might catalyze the cis-t rans isomerization of proline imidic peptide bonds in oligopeptides. [provided by RefSeq
Other Designations	OTTHUMP00000016310 cyclophilin-related gene 1 peptidyl-prolyl cis-trans isomerase peptidylpr olyl isomerase-like 1 rotamase