

Recombinant Human Peptidylprolyl Isomerase (cyclophilin)-Like 1

Cat. No. PPIL1-1753H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human
Product Overview	Recombinant PPIL1, fused to His-tag at C-terminus, was expressed in E. coli and purified by conventional chromatography techniques.
Description	Peptidylprolyl isomerase (cyclophilin)-like 1, also known as PPIL1, is a member of peptidyl-propyl cis-trans isomerase (PPIase) family, which catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. Human PPIL1 might play an important role in proliferation of cancer cells through modulation of phosphorylation of stathmin. So it is expected as a novel molecular target for colon-cancer therapy.
Concentration	1 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl, pH 8.0, containing 20% glycerol.
Purity	> 95% by SDS -PAGE
Sequence	1-166 amino acids: MAAIPPDSWQ PPNVYLETSM GIIVLELYWK HAPKTCKNFA ELARRGYNG TKFHRIKDF MIQGGDPTGTGRGGASIYGK QFEDELHPDL

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	KFTGAGILAM ANAGPDTNGS QFFVTLAPTQ WLDGKHTIFG RVCQGIGMVNRVGMVETNSQ DRPVDDVKII KAYPSGLEHH HHHH
MolecularMass	19.3 kDa (174 aa),confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Store at 4 deg C forshort term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg Cfor long term storage. Avoid repeated freeze/thaw cycles.
OfficialSymbol	PPIL1
GENE INFORMATION	
Gene Name	PPIL1peptidylprolyl isomerase (cyclophilin)-like 1 [Homo sapiens]
Synonyms	PPIL1;peptidylprolyl isomerase (cyclophilin)-like 1; CYPL1; hCyPX; MGC678; PPlase;CGI-124; EC 5.2.1.8; OTTHUMP00000016310; Rotamase PPIL1; rotamase PPIL1;cyclophilin-related gene 1; peptidyl-prolyl cis-trans isomerase;peptidylprolyl isomerase (cyclophilin)-like 1; peptidylprolyl isomerase-like1; peptidyl-prolyl cis-trans isomerase-like 1; Peptidyl-prolyl cis-transisomerase-like 1
Gene ID	51645
mRNA Refseq	NM_016059
Protein Refseq	NP_057143
MIM	601301
UniProt ID	Q9Y3C6

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Chromosome Location	6p21.1
Pathway	Spliceosome
Function	isomerase activity;peptidyl-prolyl cis-trans isomerase activity

PDBrendering based on 1xwn.



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