

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; PPIase;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.	