Active Recombinant Human Peptidylprolyl Isomerase (cyclophilin)-Like 3, His-tagged

Cat. No. PPIL3-2491H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPIL3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography. MW: 20.3 kDa.
Species	Human
Source	E.coli
ProteinLength	1-161aa
Description	PPIL3, also known as peptidyl-prolyl cis-trans isomerase-like 3, is a member of the cyclophilin family that catalyzes the cis-trans isomerization of peptidylprolyl imide bonds in oligopeptides. It has been proposed to act either as catalysts or as molecular chaperones in protein-folding events.
Form	Liquid 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Bio-activity	Specific activity is >280 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.
Molecular Mass	20.3 kDa (181aa) confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSVTLHTDVG DIKIEVFCER TPKTCENFLA LCASNYYNGC IFHRNIKGFM VQTGDPTGTG RGGNSIWGKK FEDEYSEYLK

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	HNVRGVVSMA NNGPNTNGSQ FFITYGKQPH LDMKYTVFGK VIDGLETLDE LEKLPVNEKT YRPLNDVHIK DITIHANPFA Q
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	PPIL3 peptidylprolyl isomerase (cyclophilin)-like 3 [Homo sapiens]
Official Symbol	PPIL3
Synonyms	PPIL3; peptidylprolyl isomerase (cyclophilin)-like 3; peptidyl-prolyl cis-trans isomerase-like 3; Cyclophilin J; CyPJ; PPIase; cyclophilin J; rotamase PPIL3; PPIase-like protein 3; cyclophilin-like protein 3; cyclophilin-like protein PPIL3; peptidylprolyl cis-trans isomerase-like protein 3; CYPJ;
Gene ID	53938
mRNA Refseq	NM_032472
Protein Refseq	NP_115861
UniProt ID	Q9H2H8

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Chromosome Location	2q33.1
Function	isomerase activity; peptidyl-prolyl cis-trans isomerase activity; protein binding;

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