Product Name: Recombinant Human PPIC (N-Trx-6His)
Catalog #: PEH0486

Summary

Name	Cyclophilin C/CYPC
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Peptidyl-Prolyl Cis-trans Isomerase C is produced by our E.coli expression system and the target gene encoding Lys31-Asp182 is expressed with a Trx, 6His tag at the N-terminus.
Accession #	P45877
Host	E.coli
Species	Human
Predicted Molecular Mass	33.78 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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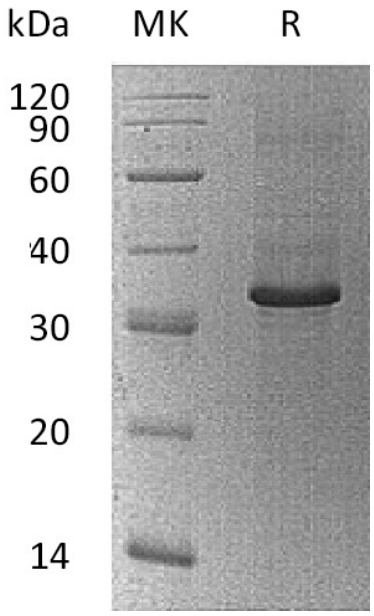

Alternative Names

Peptidyl-Prolyl Cis-Trans Isomerase C; PPIase C; Cyclophilin C; Rotamase C; PPIC; CYPC

Background

Cyclophilin C is an enzyme (EC 5.2.1.8) found in both prokaryotes and eukaryotes that interconverts the cis and trans isomers of peptide bonds with the amino acid proline. Proline has an unusually conformationally restrained peptide bond due to its cyclic structure with its side chain bonded to its secondary amine nitrogen. Most amino acids have a strong energetic preference for the trans peptide bond conformation due to steric hindrance, but prolines unusual structure stabilizes the cis form so that both isomers are populated under biologically relevant conditions. Proteins with prolyl isomerase activity include cyclophilin, FKBPs, and parvulin, although larger proteins can also contain prolyl isomerase domains.

Note

For Research Use Only , Not for Diagnostic Use.