

## 32-7193: Recombinant Human Cyclophilin C/PPIase C/PPIC (N-Trx, 6His)

**Gene :** PPIC  
**Gene ID :** 5480  
**Uniprot ID :** P45877

### Description

Source: E.coli.  
MW :33.78kD.

Recombinant Human Cyclophilin 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. 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, FKBP, and parvulin, although larger proteins can also contain prolyl isomerase domains.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MSDKIIHLTDDSFDTDVLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAKLNIDQNPGTAPKYGIRGI  
PTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGHMHSSGLVPRGSGMKETAAAKFERQHMD  
SPDLGTDDDDKAMAKRGPSVTAKVFFDVRIGDKDVGRIVIGLFGKVVPKTVENFVALATGEKGYGYKGSKFHR  
VIKDFMIQGGDITTDGDTGGVSIYGETFPDENFKLKHYGIGWVSMANAGPDTNGSQFFITLTKPTWLDGKHVVV  
GKVIDGMTVVHSIELQATD

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.