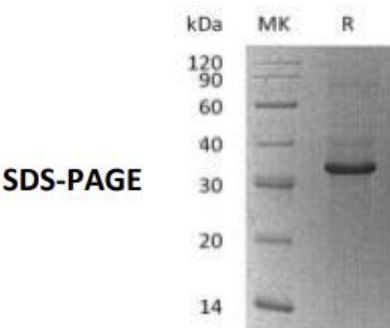


Recombinant Human Cyclophilin C

Catalog#:P01701 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human Peptidyl- Prolyl Cis-trans Isomerase C is produced by our <i>E.coli</i> expression system and the target gene encoding Lys31-Asp182 is expressed with a Trx, 6His tag at the N-terminus.</p> <p>Accession#: P45877</p> <p>Known as: Peptidyl- Prolyl Cis-Trans Isomerase C; PPIase C; Cyclophilin C; Rotamase C; PPIC; CYPC</p>
FORMULATION	Supplied as a 0.2µm 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.
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.
QUALITY CONTROL	<p>Mol Mass:33.78kDa AP Mol Mass:34kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>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.</p>
 <p>SDS-PAGE</p> <p>kDa MK R</p> <p>120 90 60 40 30 20 14</p>	