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Datasheet for ABIN7318367

PPIC Protein (TRX tag,His tag)

Overview

Quantity:	50 µg
Target:	PPIC
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPIC protein is labelled with TRX tag,His tag.

Product Details

Purpose:	Recombinant Human Cyclophilin C/PPIC Protein (His&Trx Tag)
Sequence:	Lys31-Asp182
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PPIC
Alternative Name:	Cyclophilin C/PPIC (PPIC Products)
Background:	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.

Target Details

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. Synonym: Peptidyl-Prolyl Cis-Trans Isomerase C, PPIase C, Cyclophilin C, Rotamase C, PPIC, CYPC

Molecular Weight: 33.8 kDa

UniProt: [P45877](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 10 % Glycerol, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.