PPIC Protein, Human (Trx-His)

Cat. No.:	HY-P71223
Synonyms:	Peptidyl-Prolyl Cis-Trans Isomerase C; PPIase C; Cyclophilin C; Rotamase C; PPIC; CYPC
Species:	Human
Source:	E. coli
Accession:	P45877 (K31-D182)
Gene ID:	5480
Molecular Weight:	Approximately 34.0 kDa

PROPERTIES

AA Sequence	K R G P S V T A K V F F D V R I G D K D V G R I V I G L F G K V V P K T V E N F V A L A T G E K G Y G Y K G S K F H R V I K D F M I Q G G D I T T G D G T G G V S I Y G E T F P D E N F K L K H Y G I G W V S M A N A G P D T N G S Q F F I T L T K P T W L D G K H V V F G K V I D G M T V V H S I E L Q A T D
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 10% Glycerol, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	PPIC Protein emerges as a peptidyl-prolyl cis-trans isomerase (PPIase), actively facilitating the cis-trans isomerization of proline imidic peptide bonds in oligopeptides, a crucial step in the intricate process of protein folding. By catalyzing these conformational changes, PPIC is anticipated to play a pivotal role in ensuring the correct folding and maturation of proteins, contributing to cellular protein homeostasis. The ability of PPIC to isomerize proline imidic peptide bonds underscores its significance in modulating the structural dynamics of polypeptides, ultimately influencing their functional integrity. This multifunctional enzymatic activity positions PPIC as a key player in cellular physiology, emphasizing the need for further exploration to uncover the specific molecular mechanisms and cellular pathways through which PPIC actively contributes

to the intricate world of protein folding.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA