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Datasheet for ABIN1096482

PPIE Protein (AA 1-301) (His tag)

Overview

Quantity:	50 µg
Target:	PPIE
Protein Characteristics:	AA 1-301
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPIE protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cyclophilin E/PPIase E/PPIE (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MATTKRVLYV GGLAEEVDDK VLHAAFIPFG DITDIQIPLD YETEKHRGFA FVEFELAEDA AAAIDNMNES ELFGRTIRVN LAKPMRIKEG SSRPVWSDDD WLKKFSGKTL EENKEEEGSE PPKAETQEGE PIAKKARSNP QVYMDIKIGN KPAGRIQMLL RSDVVPMTAE NFRCLCTHEK GFGFKGSSFH RIIPQFMCQG GDFTNHNGTG GKSIYGKKFD DENFILKHTG PGLLSMANSR PNTNGSQFFL TCDKTDWLDG KHVVFGEVTE GLDVLRQIEA QGSKDGKPKQ KVIADCGEY V
Characteristics:	Recombinant Human Cyclophilin E is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Val301) of Human Cyclophilin E fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

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

Target Details

Target: PPIE

Alternative Name: Cyclophilin-E ([PPIE Products](#))

Sub Type: Fusionprotein

Background: Peptidyl-prolyl cis-trans isomerase E, also known as Cyclophilin E, Cyclophilin-33, Rotamase E, CYP33, PPIE, is an enzyme which belongs to the cyclophilin-type PPlase family of PPlase E subfamily. PPIE found in all the examined tissues including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. PPIE contains one PPlase cyclophilin-type domain and one RRM (RNA recognition motif) domain. PPIE accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIE combines RNA-binding and PPlase activities. It may be involved in muscle- and brain-specific processes and pre-mRNA splicing.

Alternative Names: Peptidyl-Prolyl Cis-Trans Isomerase E, PPlase E, Cyclophilin E, Cyclophilin-33, Rotamase E, PPIE, CYP33

Molecular Weight: 35.6 kDa

UniProt: [Q9UNP9](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 μm filtered solution of 20 mM TrisHCl, pH 8.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months