

Recombinant Human PPIE, His-tagged

Cat. No. PPIE-26336TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Cyclophilin E with His tag; 337 amino acids, 37.5 kDa.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein contains a highly conserved cyclophilin (CYP) domain as well as an RNA-binding domain. It was shown to possess PPIase and protein folding activities, and it also exhibits RNA-binding activity. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 1, has been identified.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20mM Tris, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATT KRVLYVGGLA
 EEVDDKVLHA AFIPFGDITD IQIPLDYETE KHRGFAFVEF ELAEDAAAAI
 DNMNESELF RTIRVNLAKP MRIKEGSSRP VWSDDDWLKK FSGKTLEENK
 EEGGSEPPKA ETQEGEPIAK KARSNPQVYM DIKIGNKPAG RIQMLLRSDV
 VPMTAENFRC LCTHEKGFGF KGSSFHRIIP QFMCQGGDFT NHNGTGGKSI
 YGKKFDDENF ILKHTGPGLL SMANSGPNTN GSQFFLTCDK TDWLDGKHVV
 FGEVTEGLDV LRQIEAQGSK DGKPKQKVII ADCGEYV

Full Length

Full L.

GENE INFORMATION
Gene Name

PPIE peptidylprolyl isomerase E (cyclophilin E) [Homo sapiens]

Official Symbol

PPIE

Synonyms

PPIE; peptidylprolyl isomerase E (cyclophilin E); peptidyl-prolyl cis-trans isomerase E; cyclophilin 33; cyclophilin E; CyP 33; MGC3736; MGC111222; peptidyl prolyl cis trans isomerase E; peptidylprolyl isomerase E; isoform 1; PPlase E; rotamase E;

Gene ID

10450

mRNA Refseq

NM_001195007

Protein Refseq

NP_001181936

MIM

602435

Uniprot ID

Q9UNP9

Chromosome

1p32

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Location	
Pathway	Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; Spliceosome, 35S U5-snRNP, organism-specific biosystem;
Function	RNA binding; RNA binding; cyclosporin A binding; isomerase activity; nucleotide binding;

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