

Recombinant human Cyclophilin E/PPIE protein

Catalog Number: PPE0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-301aa

UniProt No.

Q9UNP9

NCBI Accession No.

NP_006103

Alternative Names

Peptidylprolyl isomerase E isoform 1, CYP-33, Cyclophilin E, PPlase E, Rotamase E, peptidylprolyl isomerase E (cyclophilin E), PPIE, Peptidylprolyl isomerase E isoform 1 Cyclophilin 33, CYP33, EC 5.2.1.8 Peptidyl prolyl cis trans isomerase E,

PRODUCT SPECIFICATION

Molecular Weight

37.5 kDa (337aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0)

Purity

> 95% by SDS-PAGE

Biological Activity

Specific activity is > 210nmol/min/ug, and is defined as the amount of enzyme that cleaves 1umole of suc-AAPF-pNA per minute at 1C in Tris-Hcl pH8.0 using chymotrypsin.

Tag

His-Tag

Application

SDS-PAGE, Enzyme Activity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Cyclophilins possess the activity of peptidyl-prolyl cis-trans isomerase (PPlase) and are involved in cellular

Recombinant human Cyclophilin E/PPIE protein

Catalog Number: PPE0901

protein folding and protein interactions. PPIE contains two RNA binding domains at the N-terminal region and a PPIase domain at the C-terminal region. It was not known what cellular and physiological roles of PPIE. Recombinant human PPIE was expressed in *E. coli* and purified by conventional chromatography techniques.

Amino acid Sequence

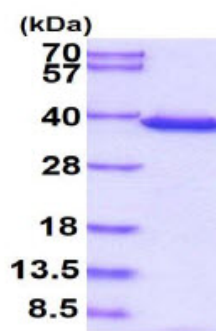
MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSMTT KRVLYVGGGLA EEVDDKVLHA AFIPFGDITD
IQIPLDYETE KHRGFVFEV ELAEDAAAAI DNMNESELF RTIRVNLAKP MRIKEGSSRP VWSDDDWLKK FSGKTLEENK
EEEGSEPPKA ETQEGEPIAK KARSNPQVYM DIKIGNKPAG RIQMLLRSDV VPMTAENFRC LCTHEKGFGF KGSSFHRIIP
QFMCQGGDFT NHNGTGGKSI YGKKFDDENF ILKHTGPGLL SMANSGPNTN GSQFFLTCDK TDWLDGKHVV FGEVTEGLDV
LRQIEAQGSK DGKPKQKVII ADCGEYV

General References

Wang Y., et al. (2008) FEBS Lett. 582(5):835-9.
Mi H., et al. (1996) FEBS Lett. 398:201-5.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.