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## Recombinant human Cyclophilin E/PPIE protein

Catalog Number: PPE0901

## PRODUCT INFORMATION

## **Expression system**

E.coli

### **Domain**

1-301aa

#### **UniProt No.**

O9UNP9

#### **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 37C 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



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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**

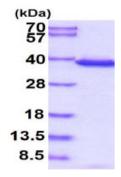
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATT KRVLYVGGLA EEVDDKVLHA AFIPFGDITD IQIPLDYETE KHRGFAFVEF ELAEDAAAAI DNMNESELFG RTIRVNLAKP MRIKEGSSRP VWSDDDWLKK FSGKTLEENK EEEGSEPPKA ETQEGEPIAK KARSNPQVYM DIKIGNKPAG RIQMLLRSDV VPMTAENFRC LCTHEKGFGF KGSSFHRIIP QFMCQGGDFT NHNGTGGKSI YGKKFDDENF ILKHTGPGLL SMANSGPNTN 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.

