Cyclophilin E Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Peptidyl-prolyl cis-trans isomerase E, PPIase E, Cyclophilin E, Cyclophilin-33, Rotamase E, PPIE, CYP33

Cat. No.:
RD172363100 (0.1 mg)

Description

Total 310 AA. MW: 34.5 kDa (calculated). UniProtKB acc.no. Q9UNP9 (Ala2-Val301). N-terminal his-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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MKHHHHHHAS ATTKRVLYVG GLAEEVDDKV LHAAFIPFGD ITDIQIPLDY ETEKHRGFAF VEFELAEDAA AAIDNMNESE
LFGRTIRVNL AKPMRIKEGS SRPVWSDDDW LKKFSGKTLE ENKEEEGSEP PKAETQEGEP IAKKARSNPQ VYMDIKIGNK
PAGRIQMLLR SDVVPMTAEN FRCLCTHEKG FGFKGSSFHR IIPQFMCQGG DFTNHNGTGG KSIYGKKFDD ENFILKHTGP
GLLSMANSGP NTNGSQFFLT CDKTDWLDGK HVVFGEVTEG LDVLRQIEAQ GSKDGKPKQK VIIADCGEYV
```

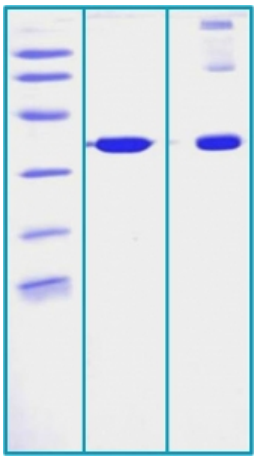
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel



14 % SDS-PAGE separation of Human Cyclophilin E:

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized in phosphate buffered saline.

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At temperature 2-8°C. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.

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