Cyclophilin-40 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Peptidyl-prolyl cis-trans isomerase D, PPIase D, 40 kDa peptidyl-prolyl cis-trans isomerase, CYP-40, Cyclophilin-related protein, Estrogen receptor-binding cyclophilin, Rotamase D, PPID, CYPD

Cat. No.:
RD172362100 (0.1 mg)

Description

Total 378 AA. MW: 41.9 kDa (calculated). UniProtKB acc.no. Q08752 (Ser2-Ala370). N-terminal His-tag (9 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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MKHHHHHHAS HPSPQAKPSN PSNPRVFFDV DIGGERVGRI VLELFADIVP KTAENFRALC TGEKGIGHTT GKPLHFKGCP
FHRIIKKFMI QGGDFSNQNG TGGESIYGEK FEDENFHYKH DREGLLSMAN AGRNTNGSQF FITTVPTPHL DGKHVVFGQV
IKGIGVARIL ENVEVKGEKP AKLCVIAECG ELKEGDDGGI FPKDGSGDSH PDFPEDADID LKDVDKILLI TEDLKNIGNT
FFKSQNWEMA IKKYAEVLRY VDSSKAVIET ADRAKLQPIA LSCVLNIGAC KLKMSNWQGA IDSCLEALEL DPSNTKALYR
RAQGWQGLKE YDQALADLKK AQGIAPEDKA IQAELLKVKQ KIKAQKDKEK AVYAKMFA
```

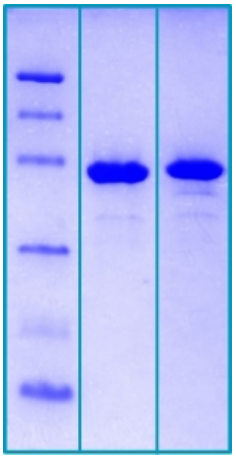
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 95%

SDS-PAGE gel



14 % SDS-PAGE separation of Human Cyclophlin 40 (E.coli):
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 200 µl of 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 ambient temperature. 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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