# Peptidyl-prolyl Cis-trans Isomerase FKBP5 Human E. coli

## Product Data Sheet

**Type:** Recombinant
**Source:** E. coli
**Species:** Human
**Other names:** PPIase FKBP5, 51 kDa FK506-binding protein, 51 kDa FKBP, FKBP-51, 54 kDa progesterone receptor-associated immunophilin, Androgen-regulated protein 6, FF1 antigen, FK506-binding protein 5, FKBP-5, FKBP54 p54, HSP90-binding immunophilin, Rotamase

**Cat. No.:**
RD172456100 (0.1 mg)

## Description

Total 467 AA. MW: 52.5 kDa (calculated). UniProtKB acc.no. Q13451 (Met1-Val457). N-terminal his-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

## Amino Acid Sequence

```
MKHHHHHHAS MTTDEGAKNN EESPTATVAE QGEDITSKKD RGVLKIVKRV GNGEETPMIG DKVYVHYKGK LSNGKKFDSS
HDRNEPFVFS LGKGQVIKAW DIGVATMKKG EICHLLCKPE YAYGSAGSLP KIPSNATLFF EIELLDFKGE DLFEDGGIIR
RTKRKGEGYS NPNEGATVEI HLEGRCGGRM FDCRDVAFTV GEGEDHDIPI GIDKALEKMQ REEQCILYLG PRYGFGEAGK
PKFGIEPNAE LIYEVTLKSF EKAKESWEMD TKEKLEQAAI VKEKGTVYFK GGKYMQAVIQ YGKIVSWLEM EYGLSEKESK
ASESFLLAAF LNLAMCYLKL REYTKAVECC DKALGLDSAN EKGLYRRGEA QLLMNEFESA KGDFEKVLEV NPQNKAARLQ
ISMCQKKAKE HNERDRRIYA NMFKKFAEQD AKEEANKAMG KKTSEGVTNE KGTDSQAMEE EKPEGHV
```

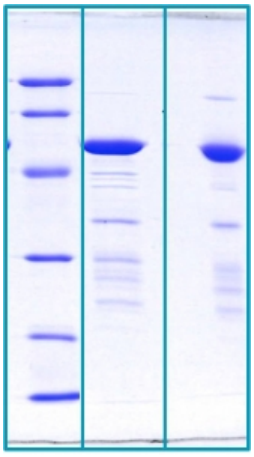
## Source

E. coli

## Purity

Purity as determined by densitometric image analysis: >90%

## SDS-PAGE gel



12 % SDS-PAGE separation of Human FKBP5:

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 from solution 20 mM Tris buffer, 50 mM NaCl, pH 7.5.

## 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 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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