

## PRODUCT DATA SHEET

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

**Cat. No.:** RD172456100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

PPLase 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

#### 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 MS.

#### Amino Acid Sequence:

```
MKHHHHHHHAS MTTDEGAKNN EESPTATVAE QGEDITSKKD RGVLKIVKRV GNGEETPMIG
DKVYVHYK GK LSNGKKFDSS HDRNEPFVFS LGKGQVIKAW DIGVATMCKG EICHLLCKPE
YAYGSAGSLP KIPSNATLFF EIELLDFKGE DLFEDGGIIR RTRKKGEGYS NPNEGATVEI
HLEGRCGGRM FDCRDVAFTV GEGEDHDIPI GIDKALEKMQ REEQCILYLG PRYGFGEAGK
PKFGIEPNAE LIYEVTLKSF EKAKESWEMD TKEKLEQAAI VKEKGTVYFK GGKYMQAVIQ
YGKIVSWLEM EYGLSEKESK ASESFLAAL LNLAMCYLKL REYTKAVECC DKALGLDSAN
EKGLYRRGEA QLLMNEFESA KGDFEKVLEV NPQNKAARLQ ISMCQKKAKE HNERDRRIYA
NMFKKFAEQD AKEEANKAMG KKTSEGVNE KGTDSQAMEE EKPEGHV
```

#### Purity:

> 90 % by SDS-PAGE

#### 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.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

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:**

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.