



# Recombinant Human FKBP4 (C-6His)

<b>Catalog #</b>	EPT273
<b>Expression Host</b>	E.coli
<b>DESCRIPTION</b>	Recombinant Human 52 kDa FK506 Binding Protein is produced by our E.coli expression system and the target gene encoding Met1-Ala459 is expressed with a 6His tag at the C-terminus.
<b>Accession</b>	Q02790
<b>Synonyms</b>	Peptidyl-prolyl cis-trans isomerase FKBP4; 51kDa FK506-binding protein; 51kDa FK506-binding protein; 59kDa immunophilin; FK506-binding protein 4; FKBP59; HSP-binding immunophilin; immunophilin FKBP52; Rotamase; FKBP4
<b>Mol Mass</b>	52.8 KDa
<b>AP Mol Mass</b>	50-60 KDa, reducing conditions
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.





## **FORMULATION**

Supplied as a 0.2  $\mu$  m filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 8.0.

## **RECONSTITUTION**

## **SHIPPING**

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

## **STORAGE**

Store at  $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt.

Store at  $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening.

Please minimize freeze-thaw cycles.

## **BACKGROUND**

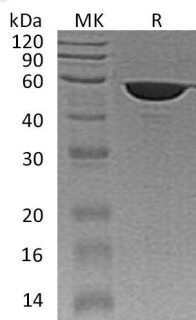
FKBP4 act as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. FKBP4 may play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments, it also may have a protective role against oxidative stress in mitochondria. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening.





**ELK Biotechnology**

## SDS-PAGE



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