

Recombinant Human FKBP4 Protein (His Tag)

Catalog No. PKSH032877

Note: Centrifuge before opening to ensure complete recovery of vial contents.

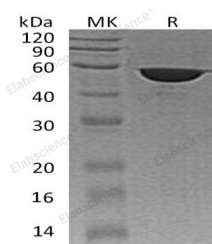
Description

Synonyms	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
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ala459
Accession	Q02790
Calculated Molecular Weight	52.8 kDa
Observed molecular weight	50-60 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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