

Recombinant Mouse Fkbp4 Protein, Myc/DDK-tagged

Cat. No. Fkbp4-3027M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length FK506 binding protein 4 (Fkbp4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Immunophilin protein with PPIase and co-chaperone activities. Component of steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. May have a protective role against oxidative stress in mitochondria.
Molecular Mass	52 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Fkbp4 FK506 binding protein 4 [*Mus musculus* (house mouse)]

Official Symbol Fkbp4

Synonyms FKBP4; FK506 binding protein 4; peptidyl-prolyl cis-trans isomerase FKBP4; HBI; FKBP59; rotamase; 52 kDa FKBP; PPlase FKBP4; 59 kDa immunophilin; immunophilin FKBP52; FK506-binding protein 4; HSP-binding immunophilin; 52 kDa FK506-binding protein; p59; 59kDa; FKBP-4; FKBP52; FKPB52; FKBP-52; AL022792; AW208983

Gene ID 14228

mRNA Refseq NM_010219

Protein Refseq NP_034349

UniProt ID P30416

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