

Recombinant Mouse Fkbp1a Protein, Myc/DDK-tagged

Cat. No. Fkbp1a-3023M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length FK506 binding protein 1a (Fkbp1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene is a member of the immunophilin family. The encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin, and is associated with immunoregulation, protein folding, receptor signaling, protein trafficking and T-cell activation. It may modulate the calcium release activity of the ryanodine receptor Ryr1. It also interacts with the type I TGF-beta receptor. Disruption of this gene in mouse causes severe ventricular defects. Pseudogenes of this gene have been defined on chromosomes 4, 10, 14, and 16. Alternative splicing results in multiple transcript variants.
Molecular Mass	11.9 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 Fkbp1a FK506 binding protein 1a [Mus musculus (house mouse)]

Official Symbol Fkbp1a

Synonyms

FKBP1A; FK506 binding protein 1a; peptidyl-prolyl cis-trans isomerase FKBP1A; FKBP-12; FKBP-1A; rotamase; 12 kDa FKBP; calstabin-1; FKBP12-Exip3; PPlase FKBP1A; immunophilin FKBP12; FK506 binding protein12; FK506-binding protein 1A; FK506 Binding Protein12-T1; FK506 binding protein12-T2; 12 kDa FK506-binding protein; Fkbp; 12kDa; Fkbp1; FKBP12; mFKBP1; mFKBP12; FKBP12-T1; FKBP12-T2

Gene ID 14225

mRNA Refseq NM_008019

Protein Refseq NP_032045

UniProt ID P26883

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