

Recombinant Mouse Fkrp Protein, Myc/DDK-tagged

Cat. No. Fkrp-3033M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length fukutin related protein (Fkrp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the transfer of CDP-ribitol to ribitol 5-phosphate previously attached by FKT N/fukutin of to the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1). This constitutes the second step in the formation of the ribose 5-phosphate tandem repeat which links the phosphorylated O-mannosyl trisaccharide to the ligand binding moiety composed of repeats of 3-xylosyl-alpha-1,3-glucuronic acid-beta-1.
Molecular Mass	55.3 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Fkrp fukutin related protein [Mus musculus (house mouse)]

Official Symbol Fkrp

Synonyms Fkrp; fukutin related protein; LGMD; MDC1C; LGMD1I; AI842067; AI847300; A830029B19Rik; fukutin-related protein; ribitol-5-phosphate transferase

Gene ID 243853

mRNA Refseq NM_173430

Protein Refseq NP_775606

UniProt ID Q8CG64

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