

## Product datasheet for **TP507921**

### Fkrp (NM\_173430) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse fukutin related protein (Fkrp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR207921 representing NM\_173430  
**Red**=Cloning site **Green**=Tags(s)

MRLTRCWAALAAAIILNLLVFFYVSWLQHQPRNSRARGPRRTSAIGPRVTVLIREFEAFDNAVPELVDSF  
LQQDPAQPVVAADTLPPPLALPRIPNVRLALLQPALDRPAAASRPETYVATEFVALVPDGARAESPGH  
LERMVEALRGSSARLVAAPVATANPARCLALNVSLREWTARYDPAPSAPRCDALDGDVLLMRSRDLFNL  
SVPLARPLATSLFLQTALRGWAVQLDLTFAAARQPPLATAHARWKAEREGRSRAALLRSLGIRLVSWE  
GGRLEWFGCSKESARCFGTVAGDTPAYLYEGRWTPPCLRALRETARYVVGVLEAAGVRYWLEGGSLGA  
ARHGDIIIPWDYDVDLGIYLEDVGNCEQLRGAEAGSVVDERGFVWEKAVEGDFFRVQYSENNHLHVDLWPF  
YPRNGVMTKDTWLDHRQDVEFPEHFLQPLVPLPFAGFMAQAPNNYRRFLELKFPGVIENPEYPNPALLS  
LTGG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 55.3 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_775606](#)



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Locus ID: 243853

UniProt ID: [Q8CG64](#)

RefSeq Size: 2817

Cytogenetics: 7 A2

RefSeq ORF: 1482

Synonyms: A830029B19Rik; AI842067; AI847300; LGMD1I; MDC1C

**Summary:** Catalyzes the transfer of CDP-ribitol to ribitol 5-phosphate previously attached by FKTN/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) (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]