

Product datasheet for TP507355

Fktn (NM_139309) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse fukutin (Fktn), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207355 protein sequence Red=Cloning site Green=Tags(s)

MSRINKNVLALLTLTSSAFLLFQLYYYKHYSARNGLGSSKSKGNRVGFDSTQWRVKKFIMLTSSQNV
PVFLIDPWILESINKNFEQVKNASQGPASECRFFCVPRDFTAFALQYHLWKNEDGWFRIAENMGFQCLKT
ESKDPRLDGIDSLSGTEIPLHYVCKLTTHAIHLVVFHERSGNYLWHGHLRLKGHMDRKFVPRKLFQGRY
PGAFDRPELQQVTVDGLDMLPKDPGRFLEEVPHSRFIECRYKEARAFLQQYIDDNTVDAMVFRKRAKEL
LQLAAKTLKDLGVPFWLSSGTCLGWYRQCGIIPYSKDVDLGIFIQDYKPDIIILAFQEAGLPLKHKFGKVE
DSLELSFQGKNDVKLDIFFFYEEADHLWNGGTQARTGKKFKYLFPKFTLCWTEFVDIKVHVPCEVDYIE
ANYGKTWKIPIKTWDWKSSPPNVQPNGIWPISSEWDEVIQLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

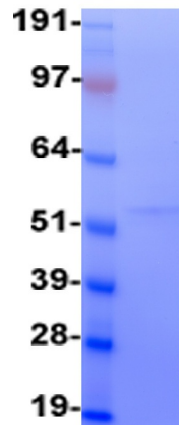
Tag:	C-MYC/DDK
Predicted MW:	53.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before 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_647470
Locus ID:	246179



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UniProt ID:	Q8R507
RefSeq Size:	3382
Cytogenetics:	4 28.74 cM
RefSeq ORF:	1386
Synonyms:	D830030O17Rik; Fcmd
Summary:	Catalyzes the transfer of CDP-ribitol to the distal N-acetylgalactosamine of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1) (PubMed:12471058). This constitutes the first step in the formation of the ribitol 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). Required for normal location of POMGNT1 in Golgi membranes, and for normal POMGNT1 activity (PubMed:19017726). May interact with and reinforce a large complex encompassing the outside and inside of muscle membranes (PubMed:19017726, PubMed:22922256). Could be involved in brain development (Probable).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified Fktn protein (Cat# TP507355). The protein was produced from HEK293T cells transfected with Fktn cDNA clone (Cat# [MR207355]) using MegaTran 2.0 (Cat# [TT210002]).