

Recombinant Human FKTN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FKTN-962H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FKTN MS Standard C13 and N15-labeled recombinant protein (NP_001073270) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a putative transmembrane protein that is localized to the cis-Golgi compartment, where it may be involved in the glycosylation of alpha-dystroglycan in skeletal muscle. The encoded protein is thought to be a glycosyltransferase and could play a role in brain development. Defects in this gene are a cause of Fukuyama-type congenital muscular dystrophy (FCMD), Walker-Warburg syndrome (WWS), limb-girdle muscular dystrophy type 2M (LGMD2M), and dilated cardiomyopathy type 1X (CMD1X). Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	53.5 kDa
AA Sequence	MSRINKNVVLALLTLTSSAFLLFQLYYYKHYLSTKNGAGLSKSKGSRIGFDSTQWRA VKKFIMLTSNQNPVFLIDPLILELINKNFEQVKNTSHGSTSQCKFFCVPRDFTAFALQ YHLWKNEEGWFRIAENMGFQCLKIESKDPRLDGIDSLSGTEIPLHYICKLATHAIHLVV FHERSGNYLWHGHLRLKEHIDRKFPFRKLQFGRYPGAFFDRPELQQVTVDGLLEVL PKDPMHFVEEVPHSRFFIECRYKEARAFFQQYLDDNTVEAVAFRKSARELLQLAAKTL

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NKLGVPFWLSSGTCLGWYRQCNIIPYSKDVDLGIFIQDYKSDIILAFQDAGLPLKHKF
GKVEDSLELSFQGKDDVKLDVFFFYEETDHMWNGGTQAKTGKKFKYLFPKFTLCW
TEFVDMKVVHPCETLEYIEANYGKTWKIPVKTWDWKRSPPNVQPNGIWPISWDEV
IQLYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [FKTN fukutin \[Homo sapiens \(human\) \]](#)

Official Symbol [FKTN](#)

Synonyms FKTN; fukutin; FCMD, Fukuyama type congenital muscular dystrophy (fukutin); LGMD2M; patient fukutin; Fukuyama type congenital muscular dystrophy protein; FCMD; CMD1X; MDDGA4; MDDGB4; MDDGC4; MGC126857; MGC134944; MGC134945; MGC138243;

Gene ID [2218](#)

mRNA Refseq [NM_001079802](#)

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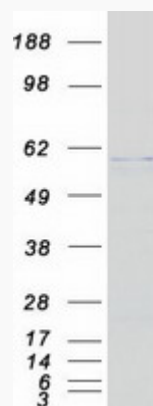
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Protein Refseq NP_001073270

MIM 607440

UniProt ID O75072

SDS-PAGE



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