

Recombinant Full Length Human FKRP Protein, C-Flag-tagged

Cat. No. FKRP-432HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FKRP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a protein which is targeted to the medial Golgi apparatus and is necessary for posttranslational modification of dystroglycan. Mutations in this gene have been associated with congenital muscular dystrophy, cognitive disability, and cerebellar cysts. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.4 kDa
AA Sequence	MRLTRCQAALAAAITLNLLVLFYVSWLQHQP RNSRARGPRRASAAGPRVTVLVREF EAFDNAVPELVDSF LQQDPAQPVVVAADTL PYPPLALPRIPNVRLALLQPALDRPAA ASRPETYVATEFVALVPDGARAEAPGL LERMVEALRAGSARLVAAPVATANPARCL ALNVSLREW TARYGAAPAAPRC DALDGD AVLLRARDLFNL SAPLARPVGTSLFLQ TALRGWAVQLDLTFAAARQPPLATAHARWKAEREGRARRAALLRALGIRLVSWE GGRLEWFGCNKETTTRCFGT VVGDT PAYLYEERWTPPCCLRALRETARYVVG VLEA AGVRYWLEGG SLLGA ARHGDIIPWDYD VDLGIYLEDVGNCEQLRGAEAGSVVDER

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GFVWEKAVEGDFFRVQYSESNHLHVDLWPF YPRNGVMTKDTWLDHRQDVEFPEH
 FLQPLVPLPFAGFVAQAPNNYRRFLELKFGPGVIENPQYPNPALLS
 LTGSGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	FKRP fukutin related protein [Homo sapiens (human)]
Official Symbol	FKRP
Synonyms	FKTR; MDC1C; LGMD2I; LGMDR9; MDDGA5; MDDGB5; MDDGC5
Gene ID	79147
mRNA Refseq	NM_024301.5

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Protein Refseq NP_077277.1

MIM 606596

UniProt ID Q9H9S5



Coomassie blue staining of purified FKRP protein.

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