

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

Cat. No. FKRP-6306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FKRP MS Standard C13 and N15-labeled recombinant protein (NP_077277) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	54.6 kDa
AA Sequence	MRLTRCQAALAAAITLNLLVLFYVSWLQHQPRNSRARGPRRASAAGPRVTVLVREF EAFDNAVPELVDSFLQQDPAQPVVVAADTLPPPLALPRIPNVRLALLQPALDRPAA ASRPETYVATEFVALVPDGARAEAPGLLERMVEALRAGSARLVAAPVATANPARCL ALNVSLREWTARYGAAPAPRCDALDGDVLLRARDLFNLSAPLARPVGTSLFLQ TALRGWAVQLDLTFAAARQPPLATAHARWKAEREGRARRAALLRALGIRLVSWEG GRLEWFGCNKETTTRCFGTVVGDTPAYLYEERWTPPCCLRALRETARYVVGVEAA GVRYWLEGGSSLLGAARHGDIPWDYDVDLGIYLEDVGNCEQLRGAEAGSVVDERGF

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VWEKAVEGDFFRVQYSESNHLHVDLWPFYPRNGVMTKDTWLDHRQDVEFPEHFL
QPLVPLPFAGFVAQAPNNYRRFLELKFGPGVIENPQYPNPALLSLTGSGTRTRPLEQ
KLISEEDLAANDILDYKDDDDKV

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 FKRP fukutin related protein [Homo sapiens (human)]

Official Symbol FKRP

Synonyms Fkrp; FKRP_HUMAN; FLJ12576; Fukutin related protein; Fukutin-related protein; LGMD2I; MDC1C; MGC2991;

Gene ID 79147

mRNA Refseq NM_024301

Protein Refseq NP_077277

MIM 606596

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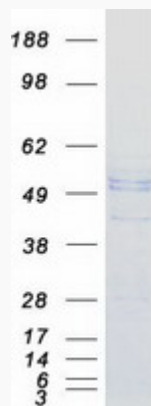
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UniProt ID

Q9H9S5

SDS-PAGE

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