

Product datasheet for **SC311019**

FKRP (NM_001039885) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKRP (NM_001039885) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKRP
Synonyms:	FKTR; LGMD2I; LGMDR9; MDC1C; MDDGA5; MDDGB5; MDDGC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC311019 representing NM_001039885.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGCTCACCCGCTGCCAGGCTGCCCTGGCGGCCCCATCACCCCTCAACCTTCTGGTCCCTCTTCTAT
GTCTCGTGGTGCAGCACCCAGCCTAGGAATTCGGGGCCGGGGCCCGTCTGCTGCTGCTGCCGGC
CCCCGTGTACCCGTCTGGTGGGGAGTTCGAGGCATTTGACAACGCGGTGCCCGAGCTGGTAGACTCC
TTCTGCAGCAAGACCCAGCCAGCCCGTGGTGGTGGCAGCCGACACGCTCCCTACCCGCCCTGGCC
CTGCCCGCATCCCAACGTGCGTCTGGCGCTGCTCCAGCCGCCCTGGACCGGCCAGCCGAGCCTCG
CGCCCGGAGACCTACGTGGCCACCGAGTTTGTGGCCCTAGTACCTGATGGGGCGCGGGTGGAGCACCT
GGCCTGCTGGAGCGCATGGTGGAGGCGCTCCGCGCAGGAAGCGCACGCTGCTGGTGGCCGCCCGTTGCC
ACGGCCAACCCTGCCAGGTGCCTGGCCCTGAACGTCAGCCTGCGAGAGTGGACCGCCGCTATGGCGCA
GCCCCCGCGCCCGCTGCGACGCCCTGGACGGAGATGCTGTGGTGTCTGCGCGCCCGCGACCTC
TTCAACCTCTCGCGCCCTGGCCCGCCGGTGGGCACCGCCTCTTTCTGCAGACCGCCCTTCGCGGC
TGGGCGGTGCAGCTGCTGGACTTGACCTTCGCCGCGCGCGCCAGCCCCGCTGGCCACGGCCACGCG
CGCTGGAAGGCTGAGCGGAGGGACGCGCTCGCGGGGCGCGCTGCTCCGCGCGCTGGGCATCCGCCTA
GTGAGCTGGGAAGGCGGGCGGCTGGAGTGGTTCGGCTGCAACAAGGAGACACGCGCTGCTTCGGAACC
GTGGTGGGCGACACGCCCGCTACCTCTACGAGGAGCGCTGGACGCCCCCTGCTGCCTGCGCGCGCTG
CGCGAGACCGCCCGCTATGTGGTGGCGTGCTGGAGGCTGCGGGCGTGCCTACTGGCTCGAGGGCGGC
TCACTGCTGGGGCCGCCCGCCACGGGGACATCATCCATGGGACTACGACGTGGACCTGGGCATCTAC
TTGGAGGACGTGGCAACTGCGAGCAGCTGCGGGGGCAGAGGCCGGCTCGGTGGTGGATGAGCGCGGC
TTCGTATGGGAGAAGGCGGTGCGAGGGCGACTTTTCCGCGTGCAGTACAGCGAAAGCAACCACTTGAC
GTGGACCTGTGGCCCTTCTACCCCGCAATGGCGTCATGACCAAGGACAGTGGCTGGACACCGCGCAG
GATGTGGAGTTTCCCGAGCACTTCTGCAGCCGCTGGTGGCCCTGCCCTTTCGCCGCTTCTGTGGCGAG
GCGCCTAACAACTACCGCCGTTCTGGAGCTCAAGTTCGGGCCCGGGTGCATCGAGAACCCCCAGTAC
CCCAACCCGGCACTGCTGAGTCTGACGGGAAGCGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001039885

Insert Size: 1488 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001039885.2](#)

RefSeq Size: 3474 bp

RefSeq ORF: 1488 bp

Locus ID: 79147

UniProt ID: [Q9H9S5](#)

Cytogenetics: 19q13.32

Protein Families: Transmembrane

MW: 54.6 kDa

Gene Summary: 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. [provided by RefSeq, Oct 2008]

Transcript Variant: This variant (2) represents the longest transcript. Variants 1 and 2 encode the same protein.