

Product datasheet for **SC315765**

Fukutin (FKTN) (NM_001079802) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Fukutin (FKTN) (NM_001079802) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Fukutin |
| Synonyms: | CMD1X; FCMD; LGMD2M; LGMDR13; MDDGA4; MDDGB4; MDDGC4 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001079802, the custom clone sequence may differ by one or more nucleotides |

```

ATGAGTAGAATCAATAAGAACGTGGTTTTGGCCCTTTAACGCTGACAAGTTCTGCATTTCTGCTGTTTT
AGTTGTACTACTACAAGCACTATTTATCAACAAAGAATGGAGCTGGTTTTGTCAAAATCCAAGGAAGCCG
AATTGGATTTGATAGCACACAGTGGCGTGCAGTAAAAAATTTATTATGTTAACATCCAACAAAATGTA
CCAGTGTTCCTTATTGATCCTTTGATACTGGAATTGATTAATAAGAACTTTGAACAAGTCAAAAATACTT
CTCATGGCTCTACTTCACAATGCAAGTTTTCTGTGTTCCAAGAGACTTTACTGCATTTGCACTGCAGTA
TCACCTATGGAAGAATGAGGAAGGCTGGTTTTCGGATAGCTGAGAATATGGGATTTCAAGTGCCTAAAGATT
GAGAGTAAAGATCCCCGGCTAGACGGGATAGACTCACTCTCTGGAAGTAAATCCCCTGCACTATATCT
GCAAAGTGGCCACTCATGCGATCCACTTGGTAGCTTTTCATGAGAGGAGTGGCAACTACCTCTGGCACGG
CCACTTGAGACTTAAAGAACACATTGACAGGAAATTTGTCCCTTCCGAAAGTTACAGTTTGGTCGTTAT
CCAGGAGCTTTTGACAGGCCAGAGTTACAGCAAGTTACTGTTGATGGACTGGAAGTTCTCATTCCAAGG
ATCCAATGCACTTTGTAGAAGAAGTACCACACTCTAGGTTTATTGAGTGTAGGTATAAAGAAGCTCGAGC
ATTCTTTCAGCAGTACCTTGATGATAACACTGTGGAAGCTGTGGCCTTTCGGAAGAGTCAAAGGAATTA
CTGCAACTAGCAGCGAAAACATTAACAAATTTGGGAGTACCATTCTGGCTGAGCAGTGGAACTTGTCTAG
GATGGTATCGACAATGCAACATTATTCCTTATAGCAAAGATGTTGACCTAGGAATTTTTATACAAGATTA
CAAATCTGATATTTTTAGCATTTCAGGATGCAGGACTCCGCTCAAACAAAATTTGGGAAGGTAGAA
GACAGCTTGAACTATCCTTCCAGGGAAAAGATGATGTAACACTTGATGTTTTTTTCTTCTATGAAGAAA
CTGATCACATGTGGAATGGAGGCACTCAGGCCAAAACAGGAAAAAATTCAAATACCTGTTTCCGAAGTT
TACACTGTGCTGGACTGAGTTTGTAGACATGAAGTCCATGTACCCTGTGAAACCCTCGAATACATTGAA
GCCAACTATGGTAAGACCTGGAAGATTCTGTAAAGACGTGGGACTGGAAGCGCTCTCCTCCAATGTGC
AACCAATGGAATCTGGCCTATTTCTGAGTGGGATGAGTTATCCAGTTATATTGA

```

Restriction Sites: Please inquire



[View online >](#)

| | |
|-------------------------------|---|
| ACCN: | NM_001079802 |
| Insert Size: | 2600 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: | The ORF of this clone is found to be a perfect match to NM_001079802.1. |
| 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: | <ol style="list-style-type: none">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_001079802.1 , NP_001073270.1 |
| RefSeq Size: | 7456 bp |
| RefSeq ORF: | 1386 bp |
| Locus ID: | 2218 |
| UniProt ID: | O75072 |
| Cytogenetics: | 9q31.2 |
| Protein Families: | Transmembrane |
| Gene Summary: | <p>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. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer protein (a). Variants 1, 2 and 4 encode the same isoform (a).</p> |