

Product datasheet for **RC231225L4V**

Fukutin (FKTN) (NM_001198963) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Fukutin (FKTN) (NM_001198963) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Fukutin |
| Synonyms: | CMD1X; FCMD; LGMD2M; LGMDR13; MDDGA4; MDDGB4; MDDGC4 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001198963 |
| ORF Size: | 1290 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC231225). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_001198963.1 |
| RefSeq ORF: | 1293 bp |
| Locus ID: | 2218 |
| UniProt ID: | O75072 |
| Cytogenetics: | 9q31.2 |
| Protein Families: | Transmembrane |
| MW: | 50.3 kDa |



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Gene Summary:

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]