

## Product datasheet for **SC214097**

### **LARGE (LARGE1) (NM\_004737) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	LARGE (LARGE1) (NM_004737) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LARGE1
Synonyms:	LARGE; MDC1D; MDDGA6; MDDGB6
ACCN:	NM_004737
Insert Size:	1368 bp



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**Insert Sequence:** >SC214097 3' UTR clone of NM\_004737  
The sequence shown below is from the reference sequence of NM\_004737. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

GCCGAGAACAAACAGCTAGCACCAAGAAGCCACCCTAGGGGGAGACATGCTGTAGGGGAAGTGCCACTC  
GCTGTTTTGGGGCCCGCCTTCAAATTCAAAATTGAGCCATGCTTTTTCGGTTTGTTTTTATTATCTCTT  
TGGCCAGCCAAGCTGCCCTCACTACAGAGACCTTGGACAAGGATCCAGCCAGTCCCTCTCTGCCCCACA  
ACCCTGCATTCCAGAGTTAGCTATGCAGCCACCTAGATGAGTCTTCAAGAATGGGAAATCAAGGG  
GTGACAGGGAGTAAAAGGGTTATCATCTTACTGCAAAGCCACAAGATCAGGGCAGGGCTTAGGATGTTT  
TGGATGCTTTTTAATAATTATGCTTCCCATCATAACTGGGGAGAAAGGGAAGTCAGGGTCTAGGGGTTA  
TTCGTCAGGAAATAGAAGTGAATTGTCTTTATTAAGTGAAAACCTTCCCTTTGCCCTGCAATGTAG  
CTGGGCATTCAAACGGAGGGCAAACCGATGATCTAAACCAACCACTTGGAAAAACCAATGGGGACATTG  
TAACCAGAGGGTCTGGAGGTGGGGTTGATGGGTTTCCTTATCCCAAAGTCACTCCTGTTTTGTTTTGT  
TTTTCTTTGGGGTTTTGTTTTTTTTGGGGCTGGCAATCCAAAATAGAAAATCTGATCCTTTGAGGCTC  
TAAAGGAAAATCAGCTGCCTCTACCAACCACCTCTATCAGCAGTGGCCAGGAAGGAGTCAAGCATCT  
TCGGCCGATATTTAAACATGGGCAGCTTCTTCAGGATGATCACCGAGGCTCCCGTGACTTTGAACTCCC  
TACTCTCCAGAATCCAGGGGCTATAGCGATGGGACTGCGGAATTACGAGGGCTGGCTGTTTTACACCGG  
TCACATTTTCTATTGGCAGTACTGATTTCATGGGAAAGGGCTTTGAAGGAACACTTCAAGATTCACGAT  
AGGTACGAACCTCTCAGGCCTTTCGAAGAATTCATAATTCATGAAAGCCAGTTCGAAGATTCACGAT  
ATCCATCTGGAGACCTACAGGAAGAAAGTATTGGGTTCTCTGGTTCTTGCCTGCTTCACTGTGGATGG  
GAAGAGGTGACAACTCAGTCTCCCTTTGGGACCTGTCCAAGGGTAGGCAACCACCTTACCTTCACACA  
GATTGAGGAGACTGGACTTTTTACCCATTTCTTTAATCTTCAATATTAATATTGTGTTTACATTGAT  
GAGAACAAGAGTTAATGCCCTACCCTCTGCTGGGCTGTTTGTATTGAGTTGCAATGTGACCAGCGAAAGC  
TGCATTTAATAAATGAAAGTACAGACTGTTTCTCCCC

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_004737.4](#)

**Summary:**

This gene encodes a member of the N-acetylglucosaminyltransferase gene family. It encodes a glycosyltransferase which participates in glycosylation of alpha-dystroglycan, and may carry out the synthesis of glycoprotein and glycosphingolipid sugar chains. It may also be involved in the addition of a repeated disaccharide unit. The protein encoded by this gene is the glycotransferase that adds the final xylose and glucuronic acid to alpha-dystroglycan and thereby allows alpha-dystroglycan to bind ligands including laminin 211 and neurexin. Mutations in this gene cause several forms of congenital muscular dystrophy characterized by cognitive disability and abnormal glycosylation of alpha-dystroglycan. Alternative splicing of this gene results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2018]

**Locus ID:**

9215