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Product datasheet for SC202793

GCS1 (MOGS) (NM_006302) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GCS1 (MOGS) (NM_006302) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MOGS
Synonyms:	CDG2B; CWH41; DER7; GCS1
ACCN:	NM_006302
Insert Size:	248 bp
Insert Sequence:	>SC202793 3'UTR clone of NM_006302 The sequence shown below is from the reference sequence of NM_006302. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTCTTACTGGCCATGGCTGAAGACTACTGAAGGGAGGGAGAGGAGGGGAGCCAAGACACTCATGCCACT CTGGCTCTGAAGGGACAAAGGCTTCTGGCTTTTGCCCCCAGCCCCTTGGATACCAGTAATTCAAACCTT CCTCATTTCATCTCAGGTGTCTCCTTGCTGTCATCCCACATAGCCCTGGGGTGAATGTGAATCCAGAGT CTATTTTTCTAAATAAATTGGAAAAAACATTTTGAACTCTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_006302.3

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Summary: This gene encodes the first enzyme in the N-linked oligosaccharide processing pathway. The enzyme cleaves the distal alpha-1,2-linked glucose residue from the Glc(3)-Man(9)-GlcNAc(2) oligosaccharide precursor. This protein is located in the lumen of the endoplasmic reticulum. Defects in this gene are a cause of type IIb congenital disorder of glycosylation (CDGIIb). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

Locus ID: 7841

MW: 9.1