

## Product datasheet for **SC202792**

### GCS1 (MOGS) (NM\_001146158) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	GCS1 (MOGS) (NM_001146158) Human 3' UTR Clone
Symbol:	GCS1
Synonyms:	CDG2B; CWH41; DER7; GCS1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001146158
Insert Size:	248 bp
Insert Sequence:	>SC202792 3'UTR clone of NM_001146158 The sequence shown below is from the reference sequence of NM_001146158. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> GTCTTACTGGCCATGGCTGAAGACTACT <b>GA</b> AGGGAGGGAGAGGAGGGGAGCCAAGACTCATGCCACT CTGGCTCTGAAGGGACAAAGGCTTCTGGCTTTTGGCCCCAGCCCCTTGGATACCAGTAATCAAACCTT CCTCATTTTCATCTCAGGTGTCTCCTTGCTGTCATCCACATAGCCCTGGGGTGAATGTGAATCCAGAGT CTATTTTCTAAATAAATTGGAAAAACATTTTGAAGTCTA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u><a href="#">NM_001146158.2</a></u>



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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