

Product datasheet for **RC229007L4V**

GCS1 (MOGS) (NM_001146158) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GCS1 (MOGS) (NM_001146158) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MOGS
Synonyms:	CDG2B; CWH41; DER7; GCS1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001146158
ORF Size:	2514 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229007).
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_001146158.1 , NP_001139630.1
RefSeq Size:	2584 bp
RefSeq ORF:	2196 bp
Locus ID:	7841
UniProt ID:	Q13724
Cytogenetics:	2p13.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis



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MW: 91.9 kDa

Gene 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]