

Product datasheet for RC229007L3V

OriGene Technologies, Inc.

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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-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_001146158

ORF Size: 2514 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC229007).

Sequence:

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

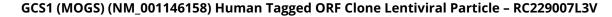
 UniProt ID:
 Q13724

Cytogenetics: 2p13.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis





ORIGENE

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 Ilb congenital disorder of glycosylation (CDGIIb). Two transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Mar 2009]