

Product datasheet for RC222615L4V

OriGene Technologies, Inc.

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C1GALT1C1 (NM_001011551) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: C1GALT1C1 (NM 001011551) Human Tagged ORF Clone Lentiviral Particle

Symbol: C1GALT1C1

Synonyms: C1GALT2; C38H2-L1; COSMC; HSPC067; MST143; TNPS

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_001011551

ORF Size: 954 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC222615).

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: <u>NM 001011551.1</u>

 RefSeq Size:
 1743 bp

 RefSeq ORF:
 957 bp

 Locus ID:
 29071

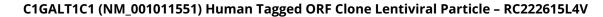
 UniProt ID:
 Q96EU7

 Cytogenetics:
 Xq24

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis





ORIGENE

MW: 36.4 kDa

Gene Summary: This gene encodes a type II transmembrane protein that is similar to the core 1 beta1,3-galactosyltransferase 1, which catalyzes the synthesis of the core-1 structure, also known as

Thomsen-Friedenreich antigen, on O-linked glycans. This gene product lacks the

galactosyltransferase activity itself, but instead acts as a molecular chaperone required for the folding, stability and full activity of the core 1 beta1,3-galactosyltransferase 1. Mutations in this gene have been associated with Tn syndrome. Alternatively spliced transcript variants

encoding the same protein have been identified. [provided by RefSeq, Dec 2009]