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Product datasheet for RC222615L4V

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 Sequence:	`The ORF insert of this clone is exactly the same as(RC222615).`
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_001011551.1
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

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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]