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Product datasheet for RC223823L4V

POMT1 (NM_007171) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	POMT1 (NM_007171) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POMT1
Synonyms:	LGMD2K; LGMDR11; MDDGA1; MDDGB1; MDDGC1; RT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007171
ORF Size:	2241 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223823).
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_007171.3, NP_009102.3
RefSeq Size:	3150 bp
RefSeq ORF:	2244 bp
Locus ID:	10585
UniProt ID:	Q9Y6A1
Cytogenetics:	9q34.13
Domains:	PMT, MIR
Protein Families:	Transmembrane

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Protein Pathways: O-Mannosyl glycan biosynthesis

MW: 84.7 kDa

Gene Summary: The protein encoded by this gene is an O-mannosyltransferase that requires interaction with the product of the POMT2 gene for enzymatic function. The encoded protein is found in the membrane of the endoplasmic reticulum. Defects in this gene are a cause of Walker-Warburg syndrome (WWS) and limb-girdle muscular dystrophy type 2K (LGMD2K). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2008]