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Product datasheet for RC207088L2V

LMAN1 (NM_005570) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LMAN1 (NM_005570) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LMAN1
Synonyms:	ERGIC-53; ERGIC53; F5F8D; FMFD1; gp58; MCFD1; MR60
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005570
ORF Size:	1530 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207088).
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_005570.2
RefSeq Size:	4848 bp
RefSeq ORF:	1533 bp
Locus ID:	3998
UniProt ID:	P49257
Cytogenetics:	18q21.32
Domains:	Lectin_leg-like
Protein Families:	Druggable Genome, Transmembrane

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MW: 57.5 kDa

Gene Summary: The protein encoded by this gene is a membrane mannose-specific lectin that cycles between the endoplasmic reticulum, endoplasmic reticulum-Golgi intermediate compartment, and cis-Golgi, functioning as a cargo receptor for glycoprotein transport. The protein has an N-terminal signal sequence, a calcium-dependent and pH-sensitive carbohydrate recognition domain, a stalk region that functions in oligomerization, a transmembrane domain, and a short cytoplasmic domain required for organelle targeting. Allelic variants of this gene are associated with the autosomal recessive disorder combined factor V-factor VIII deficiency. [provided by RefSeq, Jul 2015]