

Product datasheet for **RC202824L2V**

MAN1B1 (NM_016219) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MAN1B1 (NM_016219) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAN1B1
Synonyms:	ERMAN1; ERManI; MANA-ER; MRT15
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_016219
ORF Size:	2097 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202824).
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_016219.2
RefSeq Size:	2787 bp
RefSeq ORF:	2100 bp
Locus ID:	11253
UniProt ID:	Q9UKM7
Cytogenetics:	9q34.3
Domains:	Glyco_hydro_47
Protein Families:	Transmembrane



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Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

MW: 79.6 kDa

Gene Summary: This gene encodes an enzyme belonging to the glycosyl hydrolase 47 family. This enzyme functions in N-glycan biosynthesis, and is a class I alpha-1,2-mannosidase that specifically converts Man9GlcNAc to Man8GlcNAc isomer B. It is required for N-glycan trimming to Man5-6GlcNAc2 in the endoplasmic-reticulum-associated degradation pathway. Mutations in this gene cause autosomal-recessive intellectual disability. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 11. [provided by RefSeq, Dec 2011]