

Product datasheet for **MR226426L4V**

Man1b1 (NM_001029983) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Man1b1 (NM_001029983) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Man1b1
Synonyms:	E430019H13Rik; ERMan1; Gm108; MANA-ER
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001029983
ORF Size:	1974 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226426).
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_001029983.2 , NP_001025154.1
RefSeq Size:	3748 bp
RefSeq ORF:	1977 bp
Locus ID:	227619
UniProt ID:	A2AJ15
Cytogenetics:	2 A3



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Gene Summary:

Involved in glycoprotein quality control targeting of misfolded glycoproteins for degradation. It primarily trims a single alpha-1,2-linked mannose residue from Man(9)GlcNAc(2) to produce Man(8)GlcNAc(2), but at high enzyme concentrations, as found in the ER quality control compartment (ERQC), it further trims the carbohydrates to Man(5-6)GlcNAc(2) (By similarity). [UniProtKB/Swiss-Prot Function]