

Product datasheet for **RC229860L3V**

Manic Fringe (MFNG) (NM_001166343) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Manic Fringe (MFNG) (NM_001166343) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Manic Fringe
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001166343
ORF Size:	921 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229860).
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_001166343.1 , NP_001159815.1
RefSeq ORF:	924 bp
Locus ID:	4242
UniProt ID:	O00587
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome
Protein Pathways:	Notch signaling pathway
MW:	35.1 kDa



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Gene Summary:

This gene is a member of the glycosyltransferase 31 gene family. Members of this gene family, which also includes the LFNG (GeneID: 3955) and RFNG (GeneID: 5986) genes, encode evolutionarily conserved glycosyltransferases that act in the Notch signaling pathway to define boundaries during embryonic development. While their genomic structure is distinct from other glycosyltransferases, these proteins have a fucose-specific beta-1,3-N-acetylglucosaminyltransferase activity that leads to elongation of O-linked fucose residues on Notch, which alters Notch signaling. The protein encoded by this gene may control Notch signaling in claudin-low breast cancer. [provided by RefSeq, May 2018]