Product datasheet for MR211486L4V

Sema6a (NM_018744) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sema6a (NM_018744) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sema6a
Synonyms:	A730020P05Rik; AI851735; Sema6A-1; Semaq; VIa
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018744
ORF Size:	3096 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211486).
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_018744.2, NP_061214.2
RefSeq Size:	6901 bp
RefSeq ORF:	3096 bp
Locus ID:	20358
UniProt ID:	O35464
Cytogenetics:	18 C

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Gene Summary: Cell surface receptor for PLXNA2 that plays an important role in cell-cell signaling. Required for normal granule cell migration in the developing cerebellum. Promotes reorganization of the actin cytoskeleton and plays an important role in axon guidance in the developing central nervous system. Can act as repulsive axon guidance cue. Has repulsive action towards migrating granular neurons. May play a role in channeling sympathetic axons into the sympathetic chains and controlling the temporal sequence of sympathetic target innervation. [UniProtKB/Swiss-Prot Function]