

Product datasheet for **MR209836L4V**

Flrt2 (NM_201518) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Flrt2 (NM_201518) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Flrt2
Synonyms:	KIAA0405
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_201518
ORF Size:	1980 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209836).
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_201518.4 , NP_958926.1
RefSeq Size:	7099 bp
RefSeq ORF:	1983 bp
Locus ID:	399558
UniProt ID:	Q8BLU0
Cytogenetics:	12 E



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Gene Summary:

Functions in cell-cell adhesion, cell migration and axon guidance. Mediates cell-cell adhesion via its interactions with ADGRL3 and probably also other latrophilins that are expressed at the surface of adjacent cells (PubMed:21350012, PubMed:25728924 PubMed:25374360). May play a role in the migration of cortical neurons during brain development via its interaction with UNC5D (PubMed:21673655). Mediates axon growth cone collapse and plays a repulsive role in neuron guidance via its interaction with UNC5D, and possibly also other UNC-5 family members (PubMed:21673655, PubMed:25728924). Plays a role in fibroblast growth factor-mediated signaling cascades (PubMed:16872596). Required for normal organization of the cardiac basement membrane during embryogenesis, and for normal embryonic epicardium and heart morphogenesis (PubMed:21350012).[UniProtKB/Swiss-Prot Function]