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Product datasheet for TR508712

Flrt2 Mouse shRNA Plasmid (Locus ID 399558)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Flrt2 Mouse shRNA Plasmid (Locus ID 399558)
Locus ID:	399558
Synonyms:	KIAA0405
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Flrt2 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 399558). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC096471, NM_201518, NM_201518.1, NM_201518.2, NM_201518.3, NM_201518.4, BC067058, BC138297, BC138298
UniProt ID:	Q8BLU0
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]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).