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Product datasheet for MR212022L4V

Slit1 (NM_015748) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slit1 (NM_015748) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slit1
Synonyms:	mKIAA0813; Slil1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015748
ORF Size:	4593 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212022).
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_015748.3, NP_056563.2
RefSeq Size:	5300 bp
RefSeq ORF:	4596 bp
Locus ID:	20562
UniProt ID:	Q80TR4
Cytogenetics:	19 C3

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Gene Summary: Thought to act as molecular guidance cue in cellular migration, and function appears to be mediated by interaction with roundabout homolog receptors. During neural development involved in axonal navigation at the ventral midline of the neural tube and projection of axons to different regions (By similarity). SLIT1 and SLIT2 together seem to be essential for midline guidance in the forebrain by acting as repulsive signal preventing inappropriate midline crossing by axons projecting from the olfactory bulb.[UniProtKB/Swiss-Prot Function]