

## Product datasheet for **MR227608L4V**

### Slit2 (NM\_178804) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Slit2 (NM_178804) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slit2
Synonyms:	b2b1200.1Clo; Drad; Drad-1; E030015M03Rik; E130320P19Rik; mKIAA4141; S; Slit3; slit-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_178804
ORF Size:	4563 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227608).
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. <a href="#">More info</a>
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:	<a href="#">NM_178804.3</a> , <a href="#">NP_848919.3</a>
RefSeq Size:	7988 bp
RefSeq ORF:	4566 bp
Locus ID:	20563
UniProt ID:	<a href="#">Q9R1B9</a>
Cytogenetics:	5 B3



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**Gene Summary:**

The protein encoded by this gene is a member of the Slit family of secreted glycoproteins, which function as ligands for the Robo family of immunoglobulin receptors. Slit proteins play highly conserved roles in axon guidance and neuronal migration and may also have functions during other cell migration processes including leukocyte migration. In mammals, members of the slit family are characterized by an N-terminal signal peptide, four leucine-rich repeats, nine epidermal growth factor repeats, and a C-terminal cysteine knot. Mice deficient for this gene exhibit abnormal axonal projections in the embryonic forebrain and develop supernumerary uretic buds that maintain improper connections to the nephric duct. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]