

Product datasheet for **RC220894L4V**

SLIT2 (NM_004787) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLIT2 (NM_004787) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLIT2
Synonyms:	SLIL3; Slit-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004787
ORF Size:	4587 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220894).
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_004787.1
RefSeq Size:	4950 bp
RefSeq ORF:	4590 bp
Locus ID:	9353
UniProt ID:	O94813
Cytogenetics:	4p15.31
Domains:	LRRNT, LRRCT, LRR, LamG, EGF_CA, LRR_TYP, CT, EGF, EGF, LRR_PS
Protein Families:	Druggable Genome, Secreted Protein



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Protein Pathways: Axon guidance

MW: 169.7 kDa

Gene Summary: This gene encodes a member of the slit family of secreted glycoproteins, which are 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. 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. Proteolytic processing of this protein gives rise to an N-terminal fragment that contains the four leucine-rich repeats and five epidermal growth factor repeats and a C-terminal fragment that contains four epidermal growth factor repeats and the cysteine knot. Both full length and cleaved proteins are secreted extracellularly and can function in axon repulsion as well as other specific processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]