

Product datasheet for **MR227393L4V**

Unc5c (NM_009472) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Unc5c (NM_009472) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Unc5c
Synonyms:	B130051O18Rik; rcm; Unc5h3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009472
ORF Size:	2793 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227393).
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_009472.3
RefSeq Size:	9296 bp
RefSeq ORF:	2796 bp
Locus ID:	22253
UniProt ID:	O08747
Cytogenetics:	3 65.57 cM



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Gene Summary:

Receptor for netrin required for axon guidance (PubMed:22685302, PubMed:10399920). Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding (PubMed:10399920, PubMed:22685302). NTN1/Netrin-1 binding might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (PubMed:28483977). Axon repulsion in growth cones may also be caused by its association with DCC that may trigger signaling for repulsion (PubMed:10399920). Might also collaborate with DSCAM in NTN1-mediated axon repulsion independently of DCC (PubMed:22685302). Also involved in corticospinal tract axon guidance independently of DCC (PubMed:9126743, PubMed:9389662, PubMed:12451134). Involved in dorsal root ganglion axon projection towards the spinal cord (By similarity). It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand (By similarity).[UniProtKB/Swiss-Prot Function]