

## Product datasheet for **MR224301L4V**

### Unc5b (NM\_029770) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Unc5b (NM_029770) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Unc5b
Synonyms:	6330415E02Rik; A630020F16; D10Bwg0792e; Unc5h2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029770
ORF Size:	2835 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224301).
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_029770.2</a>
RefSeq Size:	5867 bp
RefSeq ORF:	2838 bp
Locus ID:	107449
UniProt ID:	<a href="#">Q8K1S3</a>
Cytogenetics:	10 31.52 cM



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**Gene Summary:**

Receptor for netrin required for axon guidance. Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding. Axon repulsion in growth cones may be caused by its association with DCC that may trigger signaling for repulsion (By similarity). Functions as netrin receptor that negatively regulates vascular branching during angiogenesis (PubMed:15510105). Mediates retraction of tip cell filopodia on endothelial growth cones in response to netrin (PubMed:15510105). It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Mediates apoptosis by activating DAPK1. In the absence of NTN1, activates DAPK1 by reducing its autoinhibitory phosphorylation at Ser-308 thereby increasing its catalytic activity (By similarity).[UniProtKB/Swiss-Prot Function]