

## Product datasheet for **RC218506L4V**

### DCC (NM\_005215) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DCC (NM_005215) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DCC
Synonyms:	CRC18; CRCR1; HGPPS2; IGDC1; MRMV1; NTN1R1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005215
ORF Size:	4341 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218506).
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_005215.1</a>
RefSeq Size:	4608 bp
RefSeq ORF:	4344 bp
Locus ID:	1630
UniProt ID:	<a href="#">P43146</a>
Cytogenetics:	18q21.2
Domains:	ig, IGc2, IG, FN3
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** Axon guidance, Colorectal cancer, Pathways in cancer

**MW:** 158.3 kDa

**Gene Summary:** This gene encodes a netrin 1 receptor. The transmembrane protein is a member of the immunoglobulin superfamily of cell adhesion molecules, and mediates axon guidance of neuronal growth cones towards sources of netrin 1 ligand. The cytoplasmic tail interacts with the tyrosine kinases Src and focal adhesion kinase (FAK, also known as PTK2) to mediate axon attraction. The protein partially localizes to lipid rafts, and induces apoptosis in the absence of ligand. The protein functions as a tumor suppressor, and is frequently mutated or downregulated in colorectal cancer and esophageal carcinoma. [provided by RefSeq, Oct 2009]