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Product datasheet for SC116848

DCC (NM_005215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCC (NM_005215) Human Untagged Clone
Tag:	Tag Free
Symbol:	DCC
Synonyms:	CRC18; CRCR1; HGPPS2; IGDCC1; MRMV1; NTN1R1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_005215 edited
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005215 unedited
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_005215 unedited
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GAATTGCTGGATTACTG
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Restriction Sites: NotI-NotI

ACCN: NM_005215

Insert Size: 7800 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_005215.1, NP_005206.1

RefSeq Size: 4608 bp

RefSeq ORF: 4344 bp

Locus ID: 1630

UniProt ID: P43146

Cytogenetics: 18q21.2

Domains: ig, IGc2, IG, FN3

Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance, Colorectal cancer, Pathways in cancer
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]