

Product datasheet for MC224479

Dcc (NM_007831) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dcc (NM_007831) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Dcc
 Synonyms: C030036D22Rik; Igdcc1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC224479 representing NM_007831
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAATAGTCTTGGATGTGTTGGGTACCCAAGCTGGCTTTTGTACTCTTCGGAGCTTCCTTGCTCA
 GCGCACATCTTCAAGTCACGGGTTTCAAATTAACCTTTACGTCACCTCATTGTTGTCTGAACCTTC
 GGATGCTGTACCATGCGGGGAGGAAATGCTCTGCTCACTGCTGCAGAGTCCGACCGAGGAGTTCCA
 GTCATCAAGTGAAGAAAGACGGCTTATCCTAGCCTTGGGCATGGATGACAGAAAGCAGCAACTTCCTA
 ATGGATCTCTGTTGATACAAAACATACTTCATTCCAGACACCATAAGCCGGATGAAGGACTTTACCAATG
 CGAGGCATCCTTAGCAGATTCTGGCTCAATTATTAGTCGGACAGCAAAAGTTACGGTAGCAGGGCCATTG
 AGGTTCCCTTCCAGACGGAATCTATCACAGCCTTCATGGGAGATACAGTGTACTTAAGTGTGAAGTCA
 TTGGGGAACCCATGCCAACAATACACTGGCAGAAAAATCAACAAGACCTCAACCCACTCCAGGAGACTC
 GCGTGTGGTCTGCTTGCCTCCGGAGCATTGCAGATTAGCCGACTTCAGCCAGGAGACAGTGGAGTCTAC
 AGATGCTCGGCTCGGAATCCAGCCAGCATAAGAACAGGAAATGAAGCAGAAGTTAGAATTTATCAGACC
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 TGTCTGGAGTGTGTTTCTGGCTATCCTCCGCAAGTTTACCTGGTTACGAGGCGAGGAGGTCATC
 CAACTCAGGTCTAAAAAGTATTCATTGTTGGGTGGAAGCAATTTGCTCATCTCTAATGTGACAGATGATG
 ACAGTGGAACTATACTTGCCTGTACCTATAAGAATGAGAATATTAGTGCCTCTGCAGAGCTCACGGT
 CTTGGTCCGCCCTGGTTTTTAAATCACCTTCCAACCTCTATGCCTATGAGAGCATGGATATTGAGTTT
 GAATGTGCAGTTTCTGGGAAGCCTGTGCCACTGTGAATTGGATGAAGAATGGAGATGTGGTGATCCCGA
 GTGACTATTTTTCAGATAGTGGGAGGAAGCAACTTACGGATCCTTGGGGTGGTCAAGTCAAGTGAAGGCTT
 CTATCAATGTGTGGCTGAAAATGAGGCTGGCAATGCCAAAGTAGTCCCAGCTGATTGTCCCAAGCCT
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 CAGAGAGGGTGACAACAGGGAGCGAGCTTTGAATACAACCAGCCTGGGTCCCTTCAAGTCTACTGTGGGA
 AACTTGAACCCAGAAGCCATGTACACCTTCAGAGTTGTGCGCTACAATGAGTGGGGACCAGGGGAGAGTT



CTCAGCCCATCAAGGTGGCCACTCAGCCTGAGTTGCAAGTTCAGGGCCAGTAGAAAACCTGCATGCTGT
 ATCTACCTCACCTACCTCAATTCTTATTACATGGGAACCCCTGCCTATGCAAATGGCCAGTCCAAGGT
 TACAGATTGTTCTGCACTGAGGTGTCTACAGGAAAAGAACAGAATATAGAGGTTGATGGACTATCTTATA
 AACTGGAAGGCCGTAAGAAAATTCACGGAATATACTCTTCGATTCCCTAGCTTATAATCGTTATGGGCCAGG
 AGTATCTACTGATGATATAACAGTTGTTACACTTTCAGACGTGCCAAGTGCTCCACCTCAGAACATCTCA
 CTGGAAGTGGTTAACTCAAGGAGTATCAAAGTAAGCTGGCTCCCTCCATCGGGAACACAAAATGGAT
 TTATTACTGGCTATAAAAATTCGACACAGAAAGACTACCCGACGGGGCGAGATGGAACACTGGAACCGAA
 TAACCTCTGGTACCTCTTCACAGGATTGGAGAAAAGGCAGTCAGTACAGTTTCCAAGTGTCGGCCATGACA
 GTCAATGGTACTGGACCCTTCCAACCTGGTACACAGCGGAGACCCAGAGAATGATTTAGATGAGTCTC
 AAGTCCCTGACCAGCCGAGTTCTCTTACAGTGAGGCCCCAGACAACTGTATCATCATGAGTTGGACACC
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 ACAGTGCCTGTGGACAGTAAGCAGCGGTACTATCCATCGAGAGACTAGAGTCGAGTTCTCATTATGTAA
 TCTCTTAAAAGCTTTCAACAATGCCGGAGAAGGTGTCCCTCTACGAAAGTCCACCCTCGTCCAT
 AACAGATCCCACTGACCCCGTTGATTATATCCTTTGCTTGATGATTTCCCCACCTCGGGCCAGATGTC
 TCCACCCCATGCTCCACCAGTAGGTGTACAGGCTGTGGCTTACCCATGAGGCTGTGAGGGTACAGT
 GGGCAGACAACTCTGTCCGAAGAACAGAAAACATCCGATGTGCGACTGTACACCGTTCGGTGGAGGAC
 CAGCTTTTCTGCCAGTGCCAAGTACAAGTCAGAAGACACAACATCTCTCAGTTACACAGCGACTGGCCTC
 AAGCCCAATACCATGTACGAGTTCTCAGTCATGGTGACCAAGAACAGAAGGTCAAGCACGTTGGAGCATGA
 CTGCACACGCCACCACCTACGAAGCTGCCCAACTTCTGCTCCCAAGGATCTGACAGTCATTACTCGAGA
 GGGGAAGCCTCGTGCTGTCATTGTGAGCTGGCAGCCTCCCTTGGAAAGCCAATGGGAAAATCACTGCTTAT
 ATCTTGTTTTATACATTGGACAAGAATATACCAATAGATGATTGGATTATGGAACTATCAGCGGTGACC
 GGCTTACCCATCAGATCATGGATCTCAGCCTTGACACGATGTATTACTTTCGAATTCAAGCACGGAATGT
 GAAAGGAGTAGGGCCCTCTCTGATCCCCTCTCAGGACTTGAAGTGGAAACCCCTGACAAAATG
 GCTAATGACCAAGTTCGTCATGGAGATGGGGTTATTGGCCAGTTGATACTAAGTTGATTGATAGAAGCA
 CTCTCAACGAACCAACCCATTGGACAGATGCACCCCGCATGGCAGTGTCACTCTCAGAAGAACAGCAA
 CCTGCTTGTAAATAACCGTGGTACCCTGGTGTCTCACTGTGTTGGTCGTGGTATTGTAGCAGTGATT
 TGCACCCGGCTTCTTACAGCGCAGCAGAGGAAGAAACGGGCCACACAGTGTGAGCAAGAGGAAGGGCA
 GTCAGAAGGACCTCCGGCTCCCGATCTTTGGATACATCATGAAGAAATGGAAATGAAAAATATCGAGAA
 GCCTACGGGAACCGACCTGCAGGAAGAGACTCCCCATCCAGAGCTGCCAAGATCTCACACCAGTCAGC
 CATAGCCAGTCAGAAACCCAGATGGGAAGCAAAAGTGCCTCTCATTGAGTCCAGGACTGAGGACGCAG
 GCAGCTCCATGTCCACTTTGGAACGGTCCCTGGCAGCACGCCGGGCCACCAGGGCCAAGCTCATGATTCC
 CATGGAGGCCAGTCCAGTAATCCTGCTGTTGTGAGTGCCATCCCTGTACCAACACTAGAAAAGTGCCAG
 TATCCAGGAATCCTCCATCTCCACATGTGGATACCCGCATCCACAGTTCACTCTCCGGCCAGTACCAT
 TCCCAACGCTGTCTGTGGACCGAGGTTTTGGAGCAGGAAGAACTCAGTCTGTGAGTGAAGGACCAACCAC
 GCAACAGCAACCCATGCTGCCCCAGCTCAGCCGAACATCCGAGCAGTGAAGAAGCACCCAGTAGAACC
 ATCCCCACAGCCTGTGTGCGGCAACTCATCCACTCCGCAGCTTTGCTAACCCATTACTACCTCCACCCA
 TGAGTGAATAGAACCAAAAGTCCCTTACACACCGCTTTGTCTCAGCCAGGACCCACCTTCCCAAGAC
 TCATGTTAAAACGGCCTCCCTTGGGCTGGCCGAAAGGCAAGTCCCCTTTGCTTCCCGTGTCTGTGCCA
 ACAGCCCTGAAGTGTCTGAGGAGAGCCACAAGCCACAGAGGATCCAGCCAGTGTATATGAACAGGATG
 ACTTGAGCGAACAAATGGCAAGTTTGAAGGGCTAATGAAGCAACTCAACGCCATCACAGGCTCTGCCTT
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_007831
 Insert Size: 4344 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NM_007831.3, NP_031857.2</p>
RefSeq Size:	<p>10325 bp</p>
RefSeq ORF:	<p>4344 bp</p>
Locus ID:	<p>13176</p>
UniProt ID:	<p>P70211</p>
Cytogenetics:	<p>18 45.24 cM</p>
Gene Summary:	<p>Receptor for netrin required for axon guidance. Mediates axon attraction of neuronal growth cones in the developing nervous system upon ligand binding. Its association with UNC5 proteins may trigger signaling for axon repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Implicated as a tumor suppressor gene.[UniProtKB/Swiss-Prot Function]</p>