

Product datasheet for **MG226661**

Dcc (NM_007831) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Dcc (NM_007831) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Dcc |
| Synonyms: | C030036D22Rik; Igdcc1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG226661 representing NM_007831 Red=Cloning site Blue=ORF Green=Tags(s) |

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GCC**CGATCGCC**

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 T

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG226661 representing NM_007831
 Red=Cloning site Green=Tags(s)

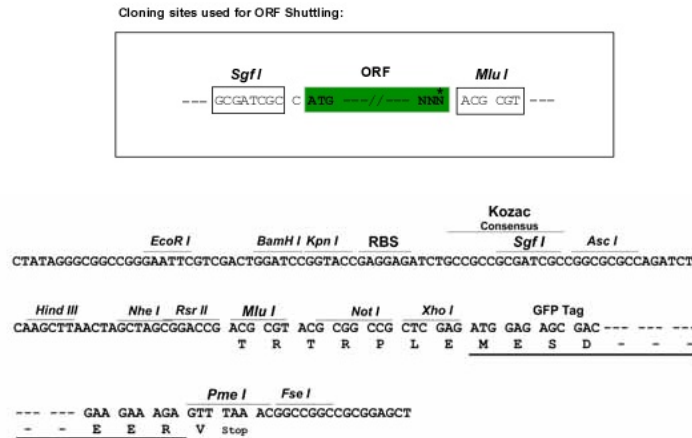
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TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1847_a07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

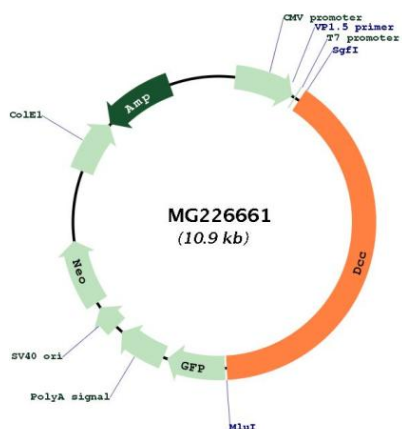


ACCN: NM_007831

ORF Size: 4341 bp

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| 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> |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | <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: | NM_007831.3 , NP_031857.2 |
| RefSeq Size: | 10325 bp |
| RefSeq ORF: | 4344 bp |
| Locus ID: | 13176 |
| UniProt ID: | P70211 |
| Cytogenetics: | 18 45.24 cM |
| Gene Summary: | 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] |

Product images:



Circular map for MG226661