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Product datasheet for SC331190

DCDC2 (NM_001195610) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: DCDC2 (NM_001195610) Human Untagged Clone

Tag: Tag Free

Symbol: DCDC2

Synonyms: DCDC2A; DFNB66; NPHP19; NSC; RU2; RU2S

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331190 representing NM_001195610.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAGCGGCAGCAGCGCCAGGTCCAGCCACCTGTCTCAGCCCGTCGTGAAGAGCGTGCTTGTGTACCGC
AACGGGGACCCCTTCTACGCGGGGCGCCGCGTCGTCATCCATGAGAAGAAGGTGTCCAGCTTCGAAGTC
TTCCTGAAGGAGGTGACCGGCGGCGTTCAGGCACCCTTTGGGGCCGTCAGGAACATCTACACCCCGCGG
ACTGGCCACCGAATCCGGAAGCTAGACCAGATCCAGAGCGGGGGCAATTACGTGGCTGGAGGCCAGGAA
GCCTTCAAGAAACTCAATTACTTGGACATAGGAGAAATCAAGAAAAGACCAATGGAAGTTGTTAATACA
GAGGTAAAACCAGTAATCCATAGCAGGATCAACGTGTCAGCTCGCTTTAGAAAACCGCTTCAGGAGCCG
TGCACTATCTTCTTGATTGCAAATGGAGACCTCATAAACCCAGCTTCTCGCCTCCTTATCCCCAGAAAA
ACCTTGAATCAGTGGGATCATGTACTACAAATGGTCACAGAAAAAATCACTCTGAGGAGCGGGGCTGTT
CACAGGCTTTATACTTTAGAAGGAAAACTTGTTGAGAGTGGAGCAGAGTTGGAGAATGGGCAGTTTTAT
GTGGCTGTTGGCAGAGATAAGTTTAAGAAACTGCCTTACAGTGAGTTACTTTTTGACAAGTCAACGATG
AGAAGGCCTTTTGGTCAGAAAGCTTCTTCACTACCTCCTATTGTAGGATCCAGAAAGTCTAAAGGGAGT
GGAAATGATCGCCACTCTAAGTCAACAGTTGGATCCAGTGACAACTCATCTCCTCAGCCCCTGAAGAGG
AAAGGGAAAAAAGAAGACGTGAATTCAGAAAAACTGACGAAATTGAAACAAAATGTAAAATTAAAGAAT
TCACAAGAAACCATTCCAAATAGTGATGAAGGCATTTTCAAAGCTGGAGCAGAGAGGTCTGAAACACGG
GGGGCAGCAGAAGTCCAAGAAGATGAAGATACTCAGGTTGAGGTTCCAGTCGATCAGAGGCCAGCAGAA
ATAGTAGACGAGGAAGAAGATGGAGAGAAGGCAAACAAGGATGCAGAACAGAAAGAAGACTTTTCAGGA
ATGAATGGTGACCTTGAAGAGGAAGGAGGTAGGGAGGCTACAGATGCCCCTGAGCAAGTCGAGGAGATT
CTGGATCACAGTGAGCAGCAGGCACGCCCTGCTCGTGTAAATGGAGGCACCGATGAGGAGAATGGTGAG
GAGCTGCAGCAGGTTAATAATGAGCTTCAACTGGTCCTAGACAAGGAAAGAAAGTCTCAAGGAGCTGGC
AGTGGACAAGATGAGGCTGATGTAGACCCTCAAAGACCACCAAGGCCAGAAGTAAAAATTACCAGTCCA
GAAGAAAATGAAAACAACCAACAAAACAAGGACTATGCTGCCGTGGCTTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001195610

Insert Size: 1431 bp

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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_001195610.1
RefSeq Size:	4623 bp
RefSeq ORF:	1431 bp
Locus ID:	51473
UniProt ID:	Q9UHG0
Cytogenetics:	6p22.3
MW:	52.8 kDa
Gene Summary:	This gene encodes a doublecortin domain-containing family member. The doublecortin domain has been demonstrated to bind tubulin and enhance microtubule polymerization. This family member is thought to function in neuronal migration where it may affect the signaling of primary cilia. Mutations in this gene have been associated with reading disability (RD) type 2, also referred to as developmental dyslexia. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jan 2013] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.