

Product datasheet for **MG210553**

Dcbld2 (NM_028523) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcbld2 (NM_028523) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dcbld2
Synonyms:	1700055P21Rik; AW146002; CLCP1; Esdn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210553 representing NM_028523
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCGAGCCGGGCGCCGCTGAGAGCCGCGCAGCCCCAGGGTCCCGAGGCCCGGCCGCGCCCGCG
 CCACCGGCCGGGCGCGCTGCCAGCGCCGGCTGCTGTCCCTCCCTCCTGGCCGCAACTCCTCCTCCAG
 GGCTCGACTGCTCCTTCTGCTGCTCCTACTGCTCCAGGACGCTGGAGGCCAGCAAGGTGATGGATGTGA
 CACACTGTACTAGGCCCTGAGAGTGAACCCCTTACATCCATCAACTACCCACATACCTATCCTAACAGCA
 CTGTGTGTGAATGGGAGATTCGAGTCAGGACGGGAGAAAGGATTCGCATCAAATTCGGTGACTTTGACAT
 TGAAGATTCTGATTATTGTACCTTAATTACCTGAAAATCTTTAATGGAATTGGAGTCAGCAGAACGGAA
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 GGCTGTCTTTGCCTTTTGTCTGAAATATCTGGAACAATTCCTCATGGATACAGAGATTCTTCACCATTTGT
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 AGGGACCCCATATTATGAAAGCTCTTTGGCCAACAATGTCACTTCCACGGTGGGATACTTATCTGCAAGT
 CTGTTTACATTTAAGACAAGTGGTTGCTATGGGACTCTGGGGATGGAGTCTGGTGTGATTGCCGATCCCC
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 GGCCAGGCTGAGAAAACCGGGCCTCCCTGGGCTGCTTTTGGCACTGATGAGCATCAGTGCTGCAGATA
 GACCTTAACAAGGAGAAGAAGATAACAGGTATCGTAACCACTGGGTCTACCATGATAGAACACAGTTACT
 ATGTGCTGCCTACAGAGTCCTGTACAGTGACGATGGGCAGAGATGGACTGTGTACAGAGAACCTGGTGT
 GGACCAGGACAAGATATTTCAAGGAAACAAGATTATCACAAGGATGTTTCGTAATAACTTTTTGCCACCA
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 GCAGGCCGACTCTGCAGAATATGCACAGCCCCCTCGTGGGAGGAATTGTTGGCACACTCCATCAGAGATCC
 ACCTTTAAACCTGAGGAAGGGAAGGAAGCAGGCTATGCAGACCTCGATCCTTACAACCTCTCCAATGCAGG
 AAGTGTACACGCCTATGCTGAACCACTGCCCGTAACGGGGCCTGAGTACGCAACCCCGATCGTCATGGA
 CATGTCAGGGCACCCACAGCCTCAGTTGGTCTGCCCTCCACATCCACCTTCAAACTGCAGGGACCCAG
 CCTCACGCTTTAGTGGGAAGTTACAACACTCTTCTCTCCAGGACTGACAGCTGTTCTCAGGCCAGGCTC
 AGTATGACACCCCAAAAGGTGGGAAGTCAGTGTCTACCCAGAGGAAGTGGTATACCAGGTGCCCCAGAG
 CACCCAGGAGCTATCAGGAGCAGGAAGGGATGAGAAGTTTGATGCTTTTAAAGAAATCCTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210553 representing NM_028523
 Red=Cloning site Green=Tags(s)

MASRAPLRAARSPQGGPAAPAAATGRAALPSAGCCPLPPGRNSSSRPRLLLLLLLLLLQDAGGQQGDGCG
 HTVLGPESGTLTSINYPHTYPNSTVCEWEIRVTRGERIRIKFGDFDIEDSDYCHNLKIFNGIGVSRTE
 IGKYCGLGLQMNQSIKSGSEVTVLFMSGTHAAGRGFLASYSVIDKEDLITCLDTSNLFLEPEFSKYCPA
 GCLLPFAEISGTIPHGIRDSSPLCMAGIHAGVSNVLLGGQISIVISKGTPTYESSLANNVTSTVGYSAS
 LFTFKTSGCYGTLGMESGVIAQPITASSALEWTDHMGQENSWTAEKARLRKPGPPWAAFATDEHQWLQI
 DLNKEKKITGIVTTGSTMIEHSYYVSAYRVLYSDDGQRWTVYREPGVDQDKIFQGNKDYHKDVRNNFLPP
 IARFIRVNPVWQQKIAMKVELLGCQFTLKGRLPKLTPPPRNGNLRNTTARPKLGRAPKFTQVLQPRS
 RNELPVQPAETTTTPDIKNTTVTPSVTKDVALAVALVPVLMALTTLILVCAWHWRNRKKKTEGAYDL
 PHWDRAGWWKGMKQLLPAKSDHEETPVRYSTSEVSHLSAREVTVLQADSAEYAQPLVGGIVGTLHQRS
 TFKPEEGKEAGYADLPYNMPEVYHAYAEPLVPTGPEYATPIVMDMSGHPTASVGLPSTSTFKTAGTQ
 PHALVGTYNLTLLSRTDSCSSGQAQYDTPKGGKSAATPEELVYQVPQSTQELSGAGRDEKFDFAKEIL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028523

ORF Size: 2301 bp

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. [More info](#)

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_028523.3](#), [NP_082799.2](#)

RefSeq Size: 6487 bp

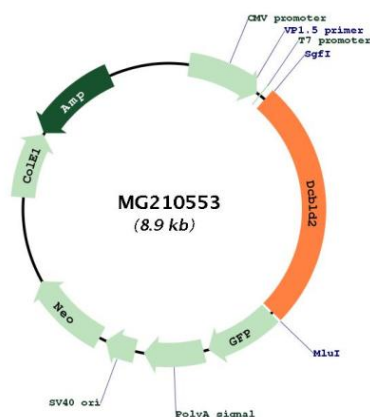
RefSeq ORF: 2310 bp

Locus ID: 73379

UniProt ID: [Q91ZV3](#)

Cytogenetics: 16 C1.2

Product images:



Circular map for MG210553