

Product datasheet for **MG216548**

Dcbld1 (NM_025705) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Dcbld1
Synonyms:	4631413K11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216548 representing NM_025705
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGACCGGGCTGGTGGCCGAGTGTCTGGCGTGTCTCGCCGTGTGTCTCCGCTCCGGTTGC
 AGGCGGAGGAGCTGGGTGATGGCTGTGGGCACATAGTGACCTCTCAGGACAGTGGCACAATGACATCTAA
 GAATATCCAGGGACTTACCCCAATTACACTGTGTGTGAAAAGATCATCACAGTCCCAAGGGGAAGAGA
 CTTATTCTGAGGTTGGGAGATTTGAACATTGAGTCCAAGACCTGCGCTTCTGACTATCTCTCTTCAGCA
 GTGCAACAGATCAGTATGGTCCATATTGTGGGAGTTGGGCTGTCCCAAGAAGTCCGGCTGAACCTCAA
 CGAAGTGACTGTCTCTTCAAGAGTGGATCTCACATTTCTGGCCGGGCTTTCTGCTGACCTACGCCAGC
 AGTGACCATCCAGATTTAATAACCTGTTTGAACGAGGAGCCATTATTTTCAGGAAAAATACAGCAAAT
 TCTGCCAGCTGGCTGTAGAGACATAGCAGGAGATATTTCTGGGAATACAAAAGATGGTTACAGAGATAC
 CTCTTTATTGTCAAAGCTGCCATCCACGAGGATCATCACAGATGAAGTGGCCACATCAACTTG
 CTTACAGGCAAGGGATAAGTCACTATGAAGGACTCCTGGCCAATGGCGTGTCTCCCGGCATGTTCTT
 TGTCCGAAAAGCGATTTCTTTTACAACCCAGGAATGAATATTACAACCTGTGGCGATTCCATCAGTGAT
 CTTATCGCCCTCTTCTGACTGGAATGGGGATCTTTGCAATCTGTAGAAAAGAGAAAAAGAAAGGAAAT
 CCATATGTGTCAGCTGACGCTCAGAAAACAGGCTGTTGGAAGCAGATTAATATCCCTTTGCCAGGCATC
 AGTCGACGGAATTTACCATCAGCTATGACAATGAAAAAGAGATGACACAAAAGTTGGATCTCATCACTAG
 TGATATGGCAGATTATCAGCAGCTCTCATGATTGGCAGGACAGTCCGCGAGAAAAGGGCTCTACCTTC
 CGACCCATGGACACAGACTGAGGAGGTGAGTGAACACTGAGGCCAGCGGCCACTATGACTGTCTCTC
 ACCGCCGGCCGATGAGTACGCACTGCCTTTGACGCACTCAGAACCTGAGTATGCCACACCTATCGT
 GGAGCGGCACCTGCTGCGAGCTCACACCTTCTCCACACAGAGCGGCTACCGAGTCCCTGGGCCAGGCC
 ACTCACAACACTCCCATCTCTGGAGGCTTTCTCTCTGCTACAGGAGCCACCCAGGTTGAAAGCTATC
 AGAGGCCAGCAAGCCCCAAGCCTGTGGGTGGTGGCTATGACAAGCCTGTGCTAGCAGCTTCTTGGACAG
 CAGAGCCAGCCTCTCAGTACAGATGACTTCCGGGGGAGATGATGGTTATTCGGCACCCAGAAACGGT
 CTTGCCCCCTCAACCAGACGCCATGACTGCTCTTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216548 representing NM_025705
 Red=Cloning site Green=Tags(s)

MGTGAGGPSVLALLFAVCAPLRLQAEELGDGCGHIVTSQDSGMTSKNYPGTYPNYTVCEKIIITVPKGR
 LILRLGDLNIESKTCASDYLLFSSATDQYGPYCGSWAVPKELRLNSNEVTLVFKSGSHISGRGFLITYAS
 SDHPDLITCLERGSYFEEKYSKFCPAGCRDIAGDISGNTKDGYPDLSLCKAAIHAGIITDELGGHINL
 LQSKGISHYEGLLANGVLSRHGSLSEKRFLLFTTPGMNITVAIPSVIFIALLLTGMGIFAICRKRKKKGN
 PYVSADAQKTGCWKQIKYPFARHQSTEFISYDNEKEMTQKLDLITSDMADYQQPLMIGTGTVARKGSTF
 RPYDTEEVNTEASGHYDCPHRPGRHEYALPLTHSEPEYATPIVERHLLRAHTFSTQSGYRVPGRP
 THKSHSSGGFPATGATQVESYQRPASPKPVGGGYDKPAASSFLDSRDPASQSQMTSGGDDGYSAPRNG
 LAPLNQTAMTALL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_025705

ORF Size: 1509 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.

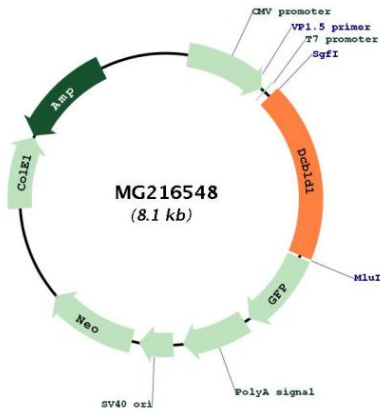
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025705.4](#)

RefSeq Size: 3025 bp

RefSeq ORF: 1512 bp
 Locus ID: 66686
 UniProt ID: [Q9D4J3](#)
 Cytogenetics: 10 B3

Product images:



Circular map for MG216548