

Product datasheet for **MR220036**

Ccdc80 (NM_026439) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc80 (NM_026439) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc80
Synonyms:	2610001E17Rik; DRO1; Ssg1; Urb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220036 representing NM_026439
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTGAAAAATGGGACCCCACTTCACCACGCTCTTGCCATGTGGCTGGTGTGTGGCTCAGCATCTC
 ATTCTCCTGCCTTGATAGCGACAGCCACACTGGACGAAAGTACCTTTGGTTTCTCCAATCAGCAGTAG
 GTCAGCTCGGTATCTGAGGCACACCGGGAGGTCTGGTGGAGTTGAGAAATCCACCCAGGAAGAACCAAAAT
 CCTCAGCCTTTCCAAAGGAGGAAGAGTGTACCAGTGTGAGATTAGCTCACCCGACCATGAGACCACCC
 CCTCAGGTATCAATGGAGTTCAGTCAGACCTGAGGTGAGACCCATAGCTAGGAGCTCGGCGCTGAGAT
 GGTCCGAGATGAGGGTCTTCTGCTCGGACAAGAATGTTGCGATTCCCCTCTGGATCTAGCTCTCCCAAT
 ATCCTGGCCAGCTTTCAGGAAAGAACAGGGTATGGGTATCTCAGCCCCTCACGCCTCAGAGGGCTACT
 ACCGCCTCATGATGAGCCTCTGAAGGACGACGTGATTGTGAGCTGGCAGAAAGGCACATCCAACAGAT
 TGTGCTCTCCACCAGGCAGGCGAGGAAGGGGCAAGGTACGGAGGATCACCAATGAAGGCAGATCCTG
 GAGCAGCCTCTGGACCCCAATCTCATCCAAAGCTGATGAGCTTCTTGAAACTGGAGAAGGGCAAGTTTA
 GCATGGTGTCTTAAAAAAGACTCTGCAGGTGGAGGAGCGCTACCCCTACCCGGTCAAGGCTGAAGCCAT
 GTATGAGGTCAATTGATCAAGGTCCCATCCCGAGGATCGAGAAAATCAGGCAGAAGGGTTTTGTCCAAAAG
 TGTAAGGCCTCGGCATAGAGGGCCATGTAGTCCAGGAAGGAAACGAGGGCGGTGGAGGAGCAGGAGGTA
 CAGGCCTGGGCGGTGATAAGAGGAAAGAGGACCAAGGAGAACAAGTCCACCCACCAGAGAGGCTCC
 GAGAAAGCAGGCCACCAGCAAGGCAGCCACTCCTCAGCCTCCCCAACTCCAAGGGCCACCACCTTCTCT
 CCTGCTCCAGTCACGACAGCCACTCGGGCCACATCCCGGTAGTGACAATAGCCGCAAGACCTACAACCA
 CCACTGCCTATCCAGCTACCCAGAGCCCTGGACATCCCGTTCATCCCTTCTCAGTCTCCCACAGGCC
 CCCTGCAACAGCAGAGGTGACCACTGCCAGGGCCCTCCGTCTCAGAGCAGCTATACCCTCTACCTCGG
 AAGGAGCAACAGAGAGAGAAGCCACAGGCCACCAGGAGGCCAGCAAAGCCACCAACTATGGAAGCTTCA
 CAGCCACCCACCTCCCACCTCTGGGAGGTGAGCGCAAGAGTTGTGGCACAAGCCGTTTCCGGGACAA
 CCGGACAGACAAACGGGAACATGGCCATCAGGACCCAAATGCGGTGCCAGGTCTCACAAGCCAGTAAAG
 GGGAAAGTGCCTAAAAAGAAGGACAGAATTCTCAGCAACGAATATGAAGACAAGTATGACCTCAGCCAGC
 CCACCTCTCTCAGGGGAGGAGGAGCGGAGGTGGATAGCGTCCCTCGCAGAATGCCAAGGAGTCGAA
 AAAGCTTGAAGGCTCGAGAACTGAGAAGGAGAAGAAAAAGGGAAGAGTCAAAAACAAGACAAG
 TTAACAAGAGTAAAAGCAAGCAAGAAAGCTGAGAAAAAGACCAACAGGAGAAGACAAGAATAGA
 AGAAAAAGGCGGTAAGACAGAGCAGGATGACAATCAGAAGCCACCAGCAAAACATCTCGCTCCAAGTCC
 CAAGAAGTCAGTGGCCGACCTGTTGGGGTCTTTCGAAGGCAAACGAAGACTCCTCCTGATCACCCTCCC
 AAGGCTGAGAAACATATGTATGTGCAGCAGCGGATGAATATCTGGAGAGCTTCTGCAAGATGGCCACCA
 GGAGGATCTGTGGTCAACATCTTTGGTCTGTCAACAACAGCTCCATGAAAATGATCACTTCCAGCT
 AGATAATGAGAAACCATGCGTGTGGTGGATGATGATGACTTGGTGGACCAACATCTCATCAGCGAGCTG
 AGGAAGGAGTATGGAATGACCTACGATGACTTCTCATGGTGTGACAGACGTGGATCTGAGAGTCAAGC
 AATACTACGAAGTGCCAAATAGCAATGAAGTCCGTGTTGATCTTATTGACTTTCCAATCCCGAATCAA
 AGATATGGAGAAGCAGAAGAAGGAGGGCATTGCCTGCAAGGAGGACAAGAGGCAGTCCCTGGAGAACTTC
 CTATCCAGGTCCGATGGAGGAGGAGTTGCTGGTATCTCTGCTCCTAATGATGAAGACTGGGCCTATT
 CACAACAGCTCTCTGCCCTCAACGGTCAAGCATGCAATTTTGGTCTGCGACATATAACCATTCTGAAGCT
 TTTGGGTGTTGGAGAGGAAGTTGGAGGAGTTTTAGAAGTGTCCCAATTAATGGGAGCTCCATCGTTGAG
 CGGAAGATGTGCCAGCCCACTTGGTCAAAGATATCCGCAACTATTTCAAGTGAGCCAGAGTACTTCT
 CCATGCTTCTAGTTGGAAAAGATGGCAATGTTAAATCTTGGTATCCTTCTCCTATGTGGTCTGATGGTCA
 CGTGTATGACTTAATTGATTCCATGCAACTTCGGAGACAGGAAATGGCCATTGAGCAGTCTCTGGGGATG
 CGCTGCCAGAAGATGAGTATGCAGGATATGGTTACCATAGTTATACCAAGGATACCAGGATGGCTACC
 AGGATGACTACCGTCATCATGAAAGTTACCACCATGGATACCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220036 representing NM_026439
 Red=Cloning site Green=Tags(s)

MMWKMGPHFTTLLAMWL VCGSASHSPALDSDSHTGRKVPLVSPISSRSARYLRHTGRSGGVEKSTQEENP
 PQPFQRRKSVPLRLAHPTRPPSPGINGVVRPEVVRPIARSSAREMVRDEGSSARTRMLRFPSSGSSPN
 ILASFAGKNRVVVISAPHASEGYRMLMSLLKDDVYCELAERHIQQIVLFHQAGEEGGKVRITNEGQIL
 EQPLDPNLIPKLM SFLKLEKGF SMVLLKKT LQVEERYYPVRL EAMYEVIDQGP IRRIEKIRQKGFVQK
 CKASGIEGHVVQEGNEGGGAGGTGLGGDKRKEDPRRTQVHP TREAPRKQATSKAATPQPPPTPRATTL P
 PAPVTTATRATS RVVTI AARPTTTTAYPATQRPWTSRLHPFSVSHRPPATAEVTTARGPSVSEQLYPLPR
 KEQQREKQATRPSKATNYGSF TATPPPTLWEVSARVVGTSRFRDNRTDKREHGHQDPNAVPGHPVK
 GKLPKKDRILSNEYEDKYDLSQPTSSQGEERQVDSVPSQNAKESKKLEKLEKPEKEKKKGSKAKQDK
 LLKSEKQAKKAEKTKQEKDKNKKKAGKTEQDDNQKPTAKHLAPSPKKSADLLGSFEGKRRLLITTP
 KAENMYVQQRDEYLESFCKMATRRI SVVTIFGPVNNSSMKIDHFQLDNEKPMRVVDDDDLVDQHLISEL
 RKEYGMTYDDFFMVLTDVLRVKQYYEVP IAMKSVFDLIDTFQSR IKDMEKQKKEGIACKEDKRQSLNF
 LSRFRWRRLLVISAPNDEDWAYSQQLSALNGQACNGLRHITILKLLGVGEEVGGVLELFPINGSSIVE
 REDVPAHLVKDIRNYFQVSPEYF SMLLVGKDG NVKSWYSPMWSMIVYDLIDSMQLRRQEMAIQQSLGM
 RCPED EYAGYGYSHYHQYQDGYQDDYRHESYHHGYPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9049_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

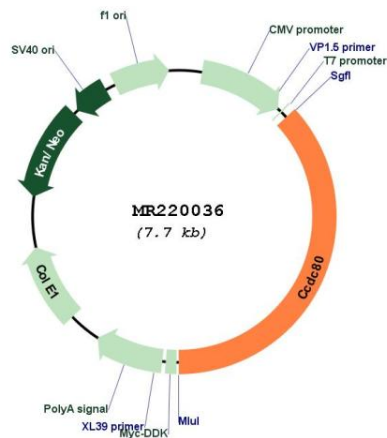


* The last codon before the Stop codon of the ORF

ACCN: NM_026439

ORF Size: 2847 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:	<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_026439.3
RefSeq Size:	3648 bp
RefSeq ORF:	2850 bp
Locus ID:	67896
UniProt ID:	Q8R2G6
Cytogenetics:	16 B5
MW:	108.1 kDa
Gene Summary:	Promotes cell adhesion and matrix assembly.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR220036