

## Product datasheet for **MR220321**

### **Ccdc110 (NM\_001033246) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc110 (NM_001033246) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc110
Synonyms:	Gm172
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR220321 representing NM\_001033246  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCCCGGCTACCTCCAGCTCCAAAAGCTGTGCTCGGGTCTGTTCCAGAGAAGCACCTCGCGGAAG  
 AAGATGAAGTTGACTCCATTCTCCTTTTCAGCATCCAAGATCCTGAATTCCTCTGAGGGGGTAAAGGAAAG  
 CGGGGGCAATGAACCAGAATATGGCTGTGCGTCAGAACCAGAAAATCAAATCCAACCACAATCAGCACTG  
 AAAGTCTACAACATCAGCTGGAGTCGTTTCAGGCTCTGCGGATGCAGACTCTACAGAACGTGAGCATGG  
 TACAGTCTGAAATCAGTGAATACTGAACAAAAGTATTGTTGAAGTAGAAACCCACAATTTAACTCGGA  
 AAAAGTCTAGTATTAGCATGCATCCTGAAAAGGATTTGCTAACGAGACACAAGAAGAAATACCTTCC  
 ACCAAGACTCTCCATTGATGGGAGAGACCTTCAGTAGTAACAGTGACACTGGTCTCCCTCAGGGCAGAG  
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 ACCTCCAAGAAAGCTATGAACACTTCGGAGCAGCCAGGCCACAAGAGTTTTCAGCCTCTATCAGTTT  
 CTACCTCAGGGTCTCAAACAGCGGTGCCCAAGCTGCTCCCGTATTCTGGATAAATCCACCATACCA  
 CCCCTTTCCAAAAGCATGGGTTCTGTGCAAACTTAGACGACATCTGCCACTCGATCAAGCACATGAAAGA  
 GGAGCTTCAGAAGTCACACGACAAGGAGCTGGCACTCACAAAGTAACTCCACACTTTCCAGGCAGACGCG  
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 CAAACTGCTCCACTCAGGGACACGGTGTCAAACCTGCATGTGAACCTTTGTAGGAAATGAAAAAGTTA  
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 GGAAAAAATAGTCAGCTCTCTGAAAAGCAACAGATGCTGGAACGATAGATCACCTGAAGAGCAAG  
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 GAAAGACAAGAGCACGCTCGAGAGTGACCTGAAAGAGAGCAAGCTGGAGATCCTGCAGCTGAAAAGAAAAG  
 GAGAGACTGATTAAGCGGGAGCAGGAGTCGCTTTCACAGTCTAGACACAGCTAAAGCGGAGAAGCTGA  
 GTCTGGAGGCGCACTGCAGGAGTCCACTTCCACCAGACAGAAGTTGGAAGGAAGCTCGTGGATATTCA  
 AGCCTACCAGTCAGCCGCGGAGGAGAAGTTCCTGAAAGAAATCAAGAGTGCAAAGTCGGAGACAAGCATC  
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 CAGTCGGCTCACCGAAGACAAGTACTTCTGAAAACACTACGTGAGAAGCATAGAAAATGAGAAAAGACCC  
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 AGATGCTTCCAGTCTTAGGAATCGGCCTGTGGCTTCTGACTTGAAAGGAATACCACATAAAGTATCAA  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220321 representing NM\_001033246  
 Red=Cloning site Green=Tags(s)

MSPGYLPAPKAVLGSVPEKHLAEDEVDSELLSASKILNSSEGVKESGGNEPEYGCASEPENQIQPQSAL  
 KVLQHQLSEFQALRMQTLQNVSMVQSEISEILNKSIVEVETPQFNSEKSLVFSMHPEKDLPNETQEEIPS  
 TKTLHSMGETFSSNSDTGLPQGTDIPPQIQVKDMLALQGLRTTADNSPPKKAMNTSEQPSATKSFSLYQF  
 LPQGPQTAVPQAAPVILDKSTITTPFPKHGFCANLDDICHSIKHMKEELQKSHDKELALTSELHTFQADA  
 STQGHKHEPFPMHSSKLNFIQQENMEGNLSEDMKSKRISELEALVSKLLPLRDTVSKLHVNFCKKCKL  
 SKSEVYRGKKNEKNKDIPITSKNIMDLKFHSRAPRYTLSVLDLGKHKIKDKEGQAFIVSQGPATLENEKL  
 PKGKFIPEQCVPKQSVAKIHYLQNYLKESLQNQKMTLEENENLALKTKMKPLVFTAQSLIQKVEAHEKQ  
 LKSLAEEKSALQSKLSKAEENKDCRELKIVSTYNVLGGQHKMLEEKNSQLSLEKQQMLETIDHLKSK  
 EHKSQSDMAVLQENSRMNIIEIAMKTSMLLVQDEREMLEKETYQLLKDKSTLESCLKESKLEILQLKEK  
 ERLIKAEQESLLHSLDTAKAEKLSLEATLQESTSTRQKLERKLVDIQAYQSAEEKFLKEIKSAKSETSI  
 YKNNLAEISKECEILSKMVMIEIKADNQLKEELKKHSQENTKFENSISRLTEDKILLENYVRSIENEKDT  
 LEFEMRNLQRDYLSDLKVSQNNASASKSTYISRREKLYFDNYDAYEDASSLRNRPVADLKGIPHKLYQ  
 RLPSKICK

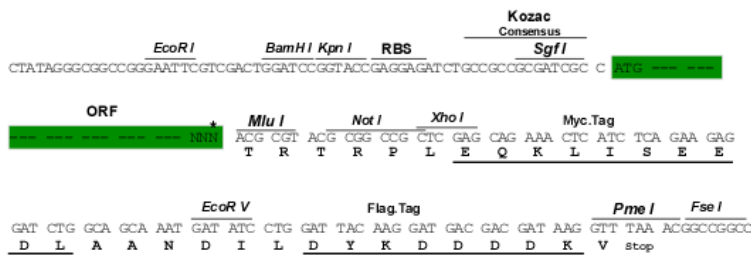
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9098\\_a01.zip](https://cdn.origene.com/chromatograms/mm9098_a01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

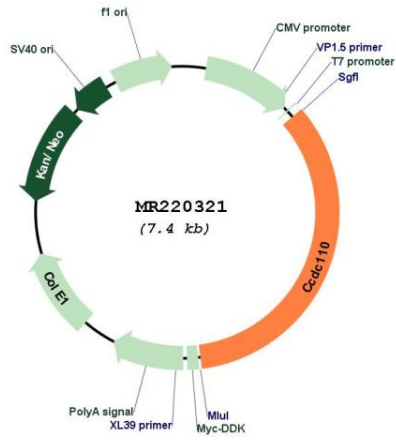
Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

<b>ACCN:</b>	NM_001033246
<b>ORF Size:</b>	2544 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001033246.3</a>
<b>RefSeq Size:</b>	2626 bp
<b>RefSeq ORF:</b>	2547 bp
<b>Locus ID:</b>	212392
<b>UniProt ID:</b>	<a href="#">Q3V125</a>
<b>Cytogenetics:</b>	8 B1.1
<b>MW:</b>	96.4 kDa

Product images:



Circular map for MR220321