

Product datasheet for **RR210781**

Ccdc112 (NM_001109124) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc112 (NM_001109124) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc112
Synonyms:	RGD1561942
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210781 representing NM_001109124
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTCTGACTACTGTGGTGGTGGCGGCGGCCACAGCAGTCGCTGGGGCAGTGGCGGGGGCGG
 GCGCGCCCGGGGACCGCGTGGGAGCGCGCCGACCGCAACAGAGTAATGTCGGCTTTAGTGTCTC
 AGGTGGAATTCGTCCTTTTCAGCTTCAAACTGGAAACAGAAAGTTAGTTGGACAAAGAAAGCAGAATTC
 ATACGCACAGCAGAAAAATTAATAAACCAAGTTATTGTCATAGAAAAAGACAAACACAGTCATTTCTACA
 ACCAAAGAGGCCACTTCAGAAGTGTAGTATAGTTTGTGGAAGAATTGGAAAACTGATCAACAGCAG
 GAAGATGGAAAGAGCAAAAATCCAGCAACAGTTGGCCAAGATACATAACAACGTAAGAACTTCAGAAC
 CAGCTGAAAAGTGTGAAGCAACCCCTGACTTTGTTGAGAAGCTCAGAGAAATGATGGAAGAAATGAAA
 ATGCAATCAATACTTTTAAAGAAGAACAGAGACTAATATATGAAGAGCTTATTCAGGAGGAGAAAAACA
 CAATAATGAGCTGAGCGCCATCTCCAGGAGGATCGAGTCTGGGCGCTGGGTAATTCAGAAACAGAGAGA
 GCTTTCAGGGCCATCTCCAGCAAGCTTCCTGTAGACAGAGTGACACCGAGTACGCTTCAGAAAGAGTGA
 TAGAATTTGAAAAATTCCTTCAGCAAAACAGGAGGGCGACAGGGGGCTGGGATGACTTGGACCACGAA
 CTTTGTGAAAGTGAAGCAAAACATAAGGGGAAGCTGACATTTATGAAGGAGTTATAGAATCTTCCG
 GGAAGAACGCTGGATGAAATTCAGCAACATGAGAAGTGGTACCAAAAATTCCTGGCTCTAGAAGAAAAA
 AAAAGAGTCTATTCAAAATGGAAAATCAAAAAGCAGCAAAAGAGGAGAAATCTCAAGTAAAAAGA
 AAAGGCAGACACCACCTCCGCCTTCTCAGAGCAACCAGAAGATAATCTAAAACAGAAAGAGGAACAG
 AGAAAGAAGCAGAAATTTGCAGTGAAGCTTGGAAAGCAGAAGAGTATAGAGATGTCAGTGAAGCAGG
 CGTCCCAGCTCAGAGAAGAGGAAGAGAAAGAGAGAAAGCAGCAGAGAGAGCGCCAGCAGTCAAAGCT
 GAAGCTGCTCCTAGAGAGCTACACACAGCAGAAGAGGGAAACAAGAAGAGTTCTGAGGCTTGAGAAGGAG
 ATAAAGGAAAAGACAGAAAAGGCAGAGAAGAGGAAAGACTGCTGCTGATGAGATTTCCAGGTTTCAAGAAA
 GAGATTTACATAAACTTGAATTGAAAATTTAGATAGACAGGCAAAAGAAGAGGAGAAAGCAGAAAAACA
 AAGGCGACTGACAAAATTAAGAAAAGGTTGAAAGTAATGTGGGTAGAGATCCCTCTAGGCTTTATAAA
 CCTACCAGAGGCTGGGAACAACGAATAAGAAGATAGTCCATTAGACTCTGGGCCACTTCTCCATATCC
 CACACAGGGCCATTCCAACCTGGCGACAAGGCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210781 representing NM_001109124
 Red=Cloning site Green=Tags(s)

MAALTTVVAAAATAVAGAVAGAGAAAGTGVGAAPTQQSNVGFASGGIRPFQLQNWKQKVSWTKKAEF
 IRTAEKLNQVIVIEKDKHSHFYNRGHFRTEYSLLELENKLINSRKMERAKIQQLAKIHNNVKQLQN
 QLKSVKPTPDFVEKLREMMEEIENAINTFKEEQRLIYEELIQEEKTTNNELSAISRRIESWALGNSETER
 AFRAISSKLPVDRVTPSTLPEEVIEFEKFLQQTGGRRQGGWDDLHQNFVKVRNKHKGKLFMKEVIEHLP
 GRTLDEIQHEKWKFLALEEKKESIQNWKIKKQKKEEILKLEKADTTPPPSQSKPEDNLKQKEEQ
 RKKQKLAVEAWKKQKSIEMSVKQASQLREEEKERKQQRERQRQSKLKLLESYTQKREQEFLRLEKE
 IKEKTEKAEKRKTADEISRFQERDLHKLELILDRQAKEEKEAEKQRRLLTKLKEKVESNVGRDPSRLYK
 PTRGWEQRKKIGPLDSGPLLHIPHRAIPTWRQGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

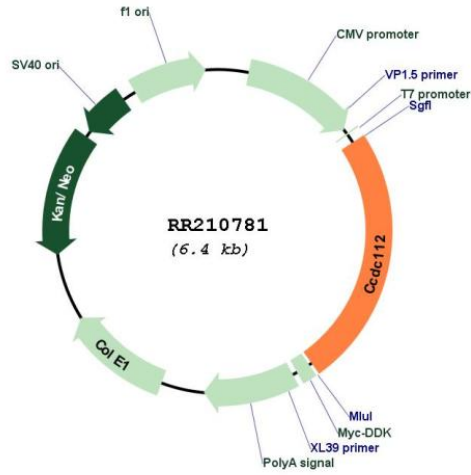
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001109124
ORF Size:	1575 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_001109124.1 , NP_001102594.1
RefSeq Size:	2220 bp
RefSeq ORF:	1578 bp
Locus ID:	498858
Cytogenetics:	18q11
MW:	61.2 kDa