

Product datasheet for MR204726

Ccdc49 (BC079553) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc49 (BC079553) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc49
Synonyms:	1300013D05Rik; AA473636; Ccdc49; R75228
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204726 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGCGGAGACCTGAACCTGAAGAAGAGCTGGCACCCGAGACCCTTCGCAATGTGGAGAAAGTGT
GGAAGGCGGAGCAGAAGCATGAAGCGGAGAGGAAGAAGATTGAGGAGTTGCAGCGAGAGCTCCGAGAGGA
GAGAGCGGGGAGGAGATGCAGCGCTACGCTGAGGATGTTGGGGCTGTCAAGAAAAAGAAGAAAGTTG
GATTGGATGTACCAAGGTCGGGTGGCATGGTGAACCGTGATGAGTACTTGTGGGGCGCCCCATTGACA
AGTATGTTTTTGAAGATGGAGGAGAGGAAGCTGGCTGCTTCTGAGACAGGACTCCTCCCAGGCTC
AATCTTTGCCCGTCGGGCGCAATTCCTTCTTGACATGGCCAGCAAAATCCGGGAAGACCTCTCTTC
ATCATAAGGAAGAAAGAGGAGGAGAAAAAAGAGAAGTGCTGAACAATCCTGTGAAAATGAAGAAAATCA
AAGAGCTGTTGCAATGAGCCTTGAGAAAAAGGAGAAGAAGAAGAAGGAGAAGAAGAAGACAG
GAAGCACAAACACAGAAGCTCCAGCAGCGGTGGCTCCAGCAGCGAGGATGAGCAGAGCCAGGCCCGGTCT
CAAAGAAGATGGCAAATTCCTTCTGTTTTGTCAAAGTCCCTGGATATGGCTTACAGGTGAGGGACT
CTGACCGAACCAGGGGCTGCAGGGTCTCTGGGTGAACAGAGGGCGATAAAGAACAATCCCGGTCAAG
AAGCTCCTCACCCCCAGGCATGCCAGCAAGAAGAGCACCAAGGAAGAGAGGCCCGGGACAGGAGGTCT
CGATCCCCAGCAGAAGTCCCGGTCCCAAGGCCAGCAAACCGCATACCTCTAAGGTAACAGGAAAG
AGAGAGACAGCCATCACCTAAGAAGGAGGCCTACCAGAGGCGCATGCTTCTGGGTACACCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR204726 protein sequence
Red=Cloning site Green=Tags(s)

MGGGDLNLKKSHPQTLRNVEKVKAEQKHEAERKKIEELQRELREERAREEMQRYAEDVGAVKKKEEKL
 DWMYQPGGMVNRDEYLLGRPIDKYVFEKMEEREAGCSSETGLLPGSIFAPSGANSLDMASKIREDPLF
 IIRKKEEEKKREVLNPNVMMKKIKELLQMSLEKKEKKKKKKHRKHKHRSSSSGGSSSEDEQSQRS
 QKKMANSFPVLSKVPYGLQVRSDRNRGLQGSLGEQRAIKNNSRSRSPRPHASKKSTKEERPRDRRS
 RSPSRRSRSPRSPKHTSKVNRKERDPSPKKEAYQRRHASGYTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC079553

ORF Size: 975 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.

RefSeq: [BC079553](#), [AAH79553](#)

RefSeq Size: 5862 bp

RefSeq ORF: 977 bp

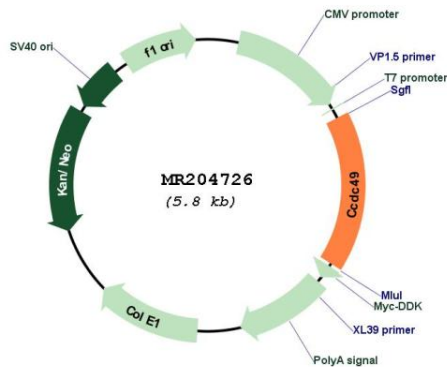
Locus ID: 67480

Cytogenetics: 11 D

MW: 37.7 kDa

Gene Summary: Involved in pre-mRNA splicing as component of the spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204726