

Product datasheet for **RC223126**

CCDC148 (NM_138803) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC148 (NM_138803) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC148
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223126 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTGCAGCTTCTGCTTCTCCAGATAATCTGGTATTCCATATGAAAAATGAGATGAGAAACATCAAGT
ACAAACCACTAGACTATCAACAATTGCGTGCATTAAGTGAAGCAAAGAAATTGGCTTCTGCCTCTGCAA
GCTAAAGATCAGAAAAGCAATGTTGACTTCAAAGTTATCCAAAGAACAACACTAATAAAACAACACAAG
CAAGTGTGGTGGCAGGAATACCAGAGGCTGAATGAAGTCAGATGTAATAATGGAATCTGAAATAAAATCCC
TTCTCAATGAAGAGAACATTGGAATGAATGTCTTTGTGACCTTACAAATTTTGAGCAAGAGCTATCAGA
ACAAACAGTGCACATATCTTAAAAATGTAATAAATCCTATTACAGCAGCTGAGAGCAGATCTAAAAACAGA
CAGCATCACACTTTGCAGCATTACACCCACATATTGAGTTTAACTCCATGAAAGTATTGGAAGAGGTTG
ACTTTGTGAAGAAACAATTGAAAAGTGTCTTTGAAAGACTTAGGCTGGAGCAACAGAGAATAGAAAATGA
TCTTTAGACTGGAGTATAAAGATTCTAGATCATTCTTTGGAAGAAAAGACTAACCCGCTTAGTGAAGT
CCCATTGAATTAGAAAGTTTGAATGCCATACCCTGATTTGAAATCTTCAATTCTCAGTGAAGTCTATA
AGTTTACACAGAAATATCAGAAGAAGCTTCAAGACTTTAATCTGCAGTTGGAAGACATATACAGAACTG
TCAACTAAGTGAAGAAGACCACTGGATTTACCAGGCTATTTGGATCAGTACCCTGGAGATCTCTTTGGA
AGAAGGACTCTGTATCTGGACATGTTACAAAGATATTTTCTCACAAATCTAGGCATGATTTGGTTGAAC
ACGAGAAATATTGTGACCAATATCGCTTTGCTATAGAGCAGCAAAATATCCTGATATCAAATTGGAATAA
AAATAGGAAAGACTTTATACAGAAGGCTGTGCTGACACTCACTGAGGCTTGTGCAACACATGAAATGGAG
AGCATGTTGGCTAAGGACAAGAAAAGCAACAGGAATTGTGTGCTGATCTGAAAGCCAAGGTTTCGTCAT
GGCGAGCCCAAGAAGAGGTAGCAGACTGGAATGGAATTTCTGCCAGAAGAAGAGAAAAGGAAGAG
GAGAAAGAGAACTGTGGAAGAAGAAGGAATTGTTGCAAAGAGCAGAGAAGAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223126 protein sequence
Red=Cloning site Green=Tags(s)

MCAASASPDNLVFHMKNEMRNIKYKPVQYQQLRALTEAKKLASASAKLKIRKAMLSKLSKEQTLIKQHK
 QVWWQEYQRLNEVRCKMESEIKSLLNEENIGNECLCDLTNFEQELSEQQCTYLKNVINPIQQLRADLKYSR
 QHHTLQHSHPHIEFNMSMKVLEEVDVFKKQLKTVFERLRLEQQRIENDLSDWSIKILDHSLEEKTNPLSEL
 PIELESLECPYPDLKSSILSEFYKFTQKYQKQLQDFNLQLEDIYRNCQLSEEDHWIYQAILDQYPGDLFG
 RRTLYLDMLQRYFPHKSRHDLVEHEKYCDQYRFAIEQQNILISNWNKRNKDFIQKAVLTLTEACATHEME
 SMLAKDKKKQQLCADLKAKVRQWRAHQEEVADWKWKFLPEEEKRKRNRNCGRRRNCCKEQRRKKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6670_e03.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_138803

ORF Size: 689 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: [NM_138803.4](#)

RefSeq Size: 2846 bp

RefSeq ORF: 1776 bp

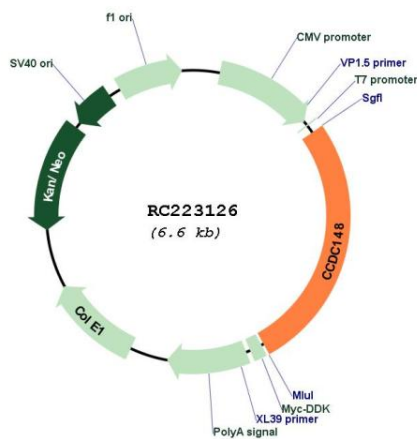
Locus ID: 130940

UniProt ID: [Q8NFR7](#)

Cytogenetics: 2q24.1

MW: 50.3 kDa

Product images:



Circular map for RC223126