

Product datasheet for **RC225905**

CCDC149 (NM_001130726) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC149 (NM_001130726) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC149
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC225905 representing NM_001130726
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGGAGGCCATGAACGGCGACCGACTGAGAGCGACTGGCAGGGGCTGGTGAGCGAGTACCTGG
 TGTGTAAGAGGAAGCTGGAGAGTAAGAAGGAAGCCTGCTGATCCTCTCCAAGGAGCTGGACACCTGTCA
 ACAGGAAAGGGACCAGTACAACTCATGGCCAATCAGCTCCGGGAGCGCCACCAGTCACTGAAGAAGAAG
 TACCGAGAGCTGATTGATGGAGATCCATCACTTCTCTGAAAAAGGAAACAGGCTAATCTTGACAAC
 TATTGAGAGATTCTCAGGACCGAAATAACATCTGGGAGAAGAAATTAAGAAGCTTCAGCAAAGGCTTGG
 AGAAGTCCAGGGCGACAACAAGCTCTTGAGGATGACGATTGCCAAACAAAGGCTCGGAGACGAAGCAATC
 GCGTGCAGACTTTGCAGCCCATGAGCGTGAAGACTTGGTGACGAGCTAGAGCGAGCTAAGGAACAGA
 TTGAGTCTCTGGAGCACGACCTGCAGGCTTCTGTGGACGAGCTTCAAGATGTTAAAGAAGAACGGTCTTC
 CTACCAGGACAAAGTGGAGAGGCTCAACCAGGAGCTGAACCATATCTGAGTGGGCACGAGAACCGCATC
 ATTGACGTGGACGCCCTGTGTATGGAGAACAGGTACCTTCAAGAGAGATTAAGCAACTCCATGAAGAGG
 TCAACCTCTTGAAATCAAACATTGCCAAATACAAGAATGCTCTGGAGAGACGGAAAACTCGAAGGGCCA
 GGGTAAATCCAGCAGCAGTGCTCTGACAGGAGTCTGTCTGCAAAGCAAGTTCAAGATCTGCTATCTGAG
 GATCATGGATGCAGCCTCCAGCTACTCCGAGTCCATTTCTGACCTGAAATCTCTGGCAACAGCCCTGT
 TGGAAACAATCCACGAGAAAAACATGGTCATTACGACCAAGGCAACCAACAAATCTAGGGAAATCG
 GGTGGCTGAGCTGGAAAAAAATTAAGAACTCTGGAAGTTTCTGGTTTGTGGAGTCTTCCAGGGGCAAG
 GACACCATACTGTTCAAGCAGCCCACTCTTCTAGTGGACAGAGTTCGAGATCCCACTGCTGAAGTTTG
 TCGAGCAGCCCACTGAGAACAAAGCAGATCCCAAGGATGGGAGGCTCAGAAGCAAGAAGATGAAAG
 TTGTGCCGCTGCTGAGGCGTTGACAGCGCTGAGGATGCTGGGAGGCCCGCTGTCAACTCCCAAGCAAT
 CAGAGCCGCGGAACCAATGCAAGCTCTTTCATCTTCAATACCCAGTTACCTTCTGAGGAAGAAGTAA
 ACAGCCTTGGGAGGGAATAATTAAGTACAAAGGAACAGGAGCTGCAGAACTGGAAGAGGTGAGAAG
 AGAGAGTCCCATAGAAGGTGAGAGGAGTGAAGCGGGCCAGCCCCGAGGCTGGCCATCCAGGGGGAG
 CTCCCTAAATCTACCTGGACTCTTCGAGGCCAGCCGGCCAGCAGCCAAAGCTTCCACACCGGAAGACG
 GCAAGGGATCCAGAGGGCGGAGGCATGAGGAGCACCGTGAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225905 representing NM_001130726
 Red=Cloning site Green=Tags(s)

MEEEMNGDRTESDWQGLVSEYLVCKRKLESKKEALLILSKELDTCCQERDQYKLMANQLRERHQSLKKK
 YRELIDGDPSPPEKRRQANLAQLLRDSQDRNKHLGEEIKELQQRLGEVQGDNKLRLMTIAKQRLGDEAI
 GVRHFAAHEREDLVQQLERAKEQIESLEHDLQASVDELQDVKEERSSYQDKVERLNQELNHILSGHENRI
 IDVDALCMENRYLQERLQQLHEEVNLLKSNIKYNALERRKNSKGQKSSSSALTGVLQSAKQVQDLLSE
 DHGCSLPATPQISDLKSLATALLIHEKNMVIQHQRTNKILGNRVAELEKKLRLEVSGLWSPGGK
 DTILFSDPTLPSGQSRSPLLKFVEQPTENKADPKDGEAQKQEEDESCAAAEALTAPEDAGRPAVNSPAN
 QSRGNQCKLFHPSLPQLPSEEEVNSLGREIIKLKEQAAAELEEVRESPIEGQRSETGPAPPGLAIQGE
 LPKSHLDSFEASRPAKASTPEDGKGIPEGGMRSVTKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8034_f04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001130726

ORF Size: 1587 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

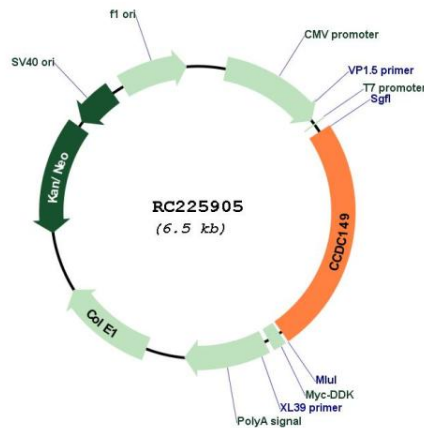
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

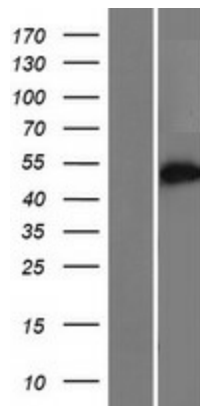
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001130726.3</u>
RefSeq ORF:	1590 bp
Locus ID:	91050
UniProt ID:	<u>Q6ZUS6</u>
Cytogenetics:	4p15.2
MW:	59.1 kDa

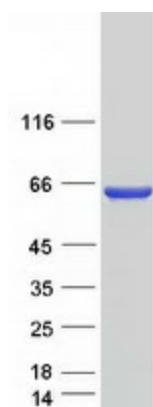
Product images:



Circular map for RC225905



Western blot validation of overexpression lysate (Cat# [LY427269]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225905 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC149 protein (Cat# [TP325905]). The protein was produced from HEK293T cells transfected with CCDC149 cDNA clone (Cat# RC225905) using MegaTran 2.0 (Cat# [TT210002]).