

## Product datasheet for **RC212457**

### **CCDC149 (NM\_173463) Human Tagged ORF Clone**

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | CCDC149 (NM_173463) Human Tagged ORF Clone                                  |
| Tag:                      | Myc-DDK                                                                     |
| Symbol:                   | CCDC149                                                                     |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-Entry (PS100001)                                                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                        |
| ORF Nucleotide Sequence:  | >RC212457 representing NM_173463<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAATCAGCTCCGGGAGCGCCACCAGTCACTGAAGAAGAAGTACCGAGAGCTGATTGATGGAGATC  
CATCACTTCCTCCTGAAAAAGGAAACAGGCTAATCTTGCACTAATTGAGAGATTCTCAGGACCGAAA  
TAAACATCTGGGAGAAGAAATTAAGAACTTCAGCAAAGGCTTGAGAGTCCAGGGCGACAACAAGCTC  
TTGAGGATGACGATTGCCAAACAAGGCTCGGAGACGAAGCAATCGGCGTGGACACTTTGCAGCCCATG  
AGCGTGAAGACTTGGTGCAGCAGCTAGAGCGAGCTAAGGAACAGATTGAGTCTCTGGAGCAGCAGCTGCA  
GGCTTCTGTGGACGAGCTTCAGGATGTTAAAGAAGAACGGTCTTCCTACCAGGACAAAGTGGAGAGGCTC  
AACCAGGAGCTGAACCATATCCTGAGTGGGCACGAGAACCAGCATATTGACGTGGACGCCCTGTGTATGG  
AGAACAGGTACCTTCAAGAGAGATTAAAGCAACTCCATGAAGAGGTCAACCTCTTGAAATCAAACATTGC  
CAAATACAAGATGCTCTGGAGAGACGAAAACTCGAAGGGCCAGGTAATCCAGCAGCAGTGTCTG  
ACAGGAGTCTGTCTGCAAAGCAAGTTCAGGATCTGCTATCTGAGGATCATGGATGCAGCCTCCAGCTA  
CTCCGAGTCCATTTCTGACCTGAAATCTCTGGCAACAGCCCTGTTGAAACAATCCACGAGAAAAACAT  
GGTCATTACAGCAGGAGGCAACCAACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC212457 representing NM\_173463  
 Red=Cloning site Green=Tags(s)

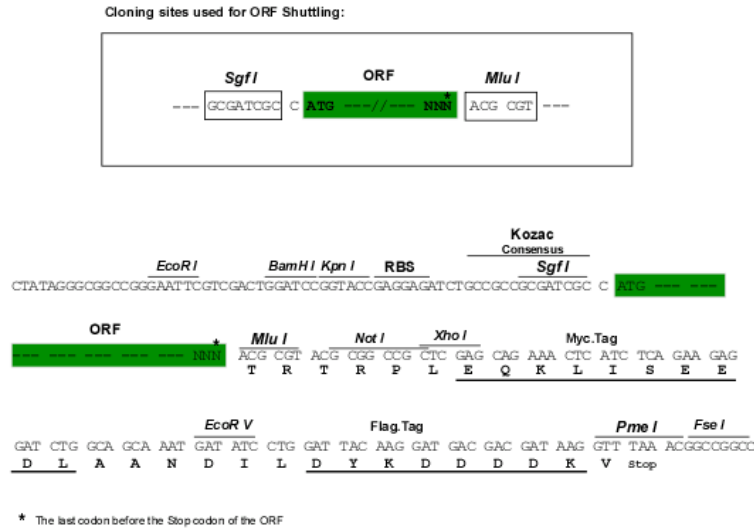
MANQLRERHQSLKKKYRELIDGDPSPPEKRKQANLAQLLRDSQDRNHLGEEIKELQQRLGEVQGDNKL  
 LRMTIAKQRLGDEAIGVRHFAAHEREDLVQQLERAKEQIESLEHDLQASVDELQDVKEERSSYQDKVERL  
 NQELNHILSGHENRIIDVDALCMENRYLQERLKLHEEVNLLKSNIKYKNALERRKNSKGQKSSSSAL  
 TGVLSAKQVQDLLSEDHGCSLPATPQSIIDLKSLATALLETIHEKNMVIQHQRQTNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1263\\_b08.zip](https://cdn.origene.com/chromatograms/ja1263_b08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_173463

**ORF Size:** 801 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** NM\_173463.3

**RefSeq Size:** 5606 bp

**RefSeq ORF:** 1590 bp

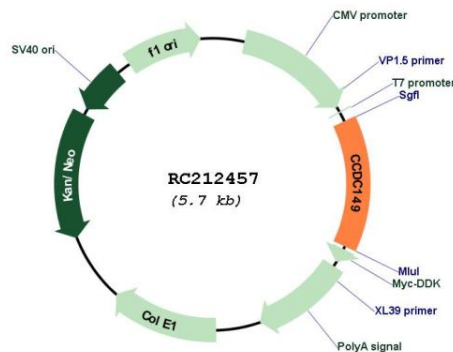
**Locus ID:** 91050

**UniProt ID:** Q6ZUS6

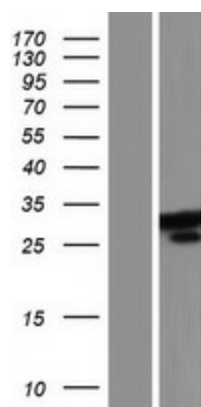
**Cytogenetics:** 4p15.2

**MW:** 30.5 kDa

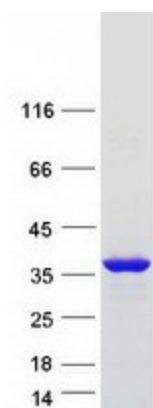
## Product images:



Circular map for RC212457



Western blot validation of overexpression lysate (Cat# [LY406617]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212457 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC149 protein (Cat# [TP312457]). The protein was produced from HEK293T cells transfected with CCDC149 cDNA clone (Cat# RC212457) using MegaTran 2.0 (Cat# [TT210002]).