

Product datasheet for **RC200134**

C1orf50 (NM_024097) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1orf50 (NM_024097) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: C1orf50
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200134 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGACGCCCGCGCCGGGGCGGACCGAGGGGGTCTTGAAGGCAAGGAGCGCCGCCAGCTGCAG
GCCAGGGAGGAGCCCTGGTGGAGCTCACCCGACCCCGCGCCCTGGCCCTGGTGGAGCCCTACCACAC
CCACCGGGCCGGGACCCCTTAGACCTCGTGGCGCTCGCAGAGCAGGTGCAGAAGGCTGATGAATTCATC
CGAGCAAATGCCACCAACAAGCTGACAGTCATAGCTGAGCAAATCCAACATTTGCAAGAACAAGCCAGGA
AGGTACTGGAAGATGCTCACAGAGATGCCAACCTGCACCATGAGCTTGAATATAGTGAAAAAACCTGG
CAACATTTACTATCTCTATAAACGGGAGAGTGGTCAGCAGTATTTTTCCATCATTCTCCAAGGAATGG
GGGACAAGTTGTCCACATGACTTCCTTGGTGCCTACAACTACAGCATGACTTGTCTGGACTCCGTATG
AGGACATTGAGAAGCAAGATGCTAAAATCAGCATGATGGACATGTTGCTAAGCCAGTCAGTGGCCCTGCC
TCCGTGCACTGAACCAACTCCAGGGACTGACTCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200134 protein sequence
Red=Cloning site Green=Tags(s)

MEDAAAPGRTEGVLERQGAPPAAGQGGALVELTPTPGGLALVSPYHTRAGDPLDLVALAEVQKAEDEFI
RANATNKLTVIAEQIQHLQEQRKVLDAHRDANLHHVACNIVKKPGNIYYLYKRESGQQYFSIISPKEW
GTSCPHDFLGAYKLQHDLSWTPYEDIEKQDAKISMMDMLLSQSVALLPPCTEPNFQGLTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6393_a02.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024097

ORF Size: 597 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_024097.1](#), [NP_077002.1](#)

RefSeq Size: 1036 bp

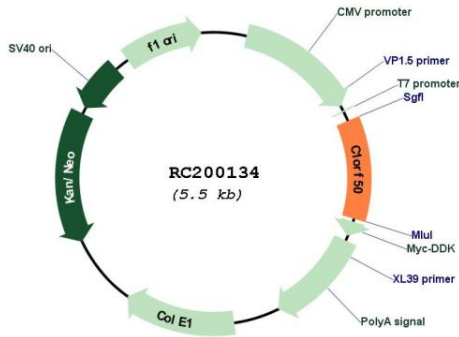
RefSeq ORF: 600 bp

Locus ID: 79078

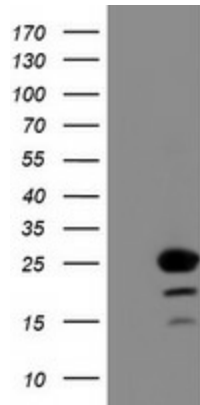
UniProt ID: [Q9BV19](#)

Cytogenetics: 1p34.2
 MW: 21.9 kDa

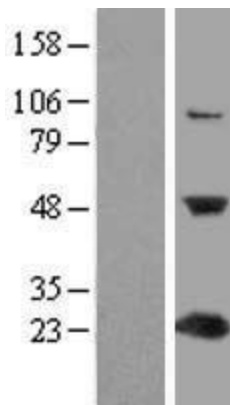
Product images:



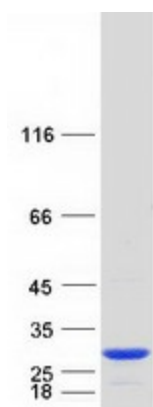
Circular map for RC200134



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C1orf50 (Cat# RC200134, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C1orf50(Cat# [TA502937]). Positive lysates [LY411368] (100ug) and [LC411368] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY411368]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200134 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C1orf50 protein (Cat# [TP300134]). The protein was produced from HEK293T cells transfected with C1orf50 cDNA clone (Cat# RC200134) using MegaTran 2.0 (Cat# [TT210002]).