

Product datasheet for **RC224199**

C19orf54 (NM_198476) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C19orf54 (NM_198476) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C19orf54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224199 representing NM_198476 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTTCTCCATGCTCTCCTCCCCTAAAACCAATTTCTCTCCAAAAACCCTGTACCCCAAGCCA
 GCAGATTCCATCTCCTCCTCTACCCCCAAGTCCCCTGGACTTTTCAGCTTTACCATCCCCTCCCTGGAG
 TCAGCAGACCCCTGTTCCCCACCGCTCCCACTGCCTCCTCCACCCGCTGCCACAGGGCCTGCTCCCCGT
 CATGTCTTCGGCCTGGAGAAGAGCCAGCTCCTGAAGGAGGCCTTTGATAAGGCCGGCCCGGTCCCAAGG
 GCAGAGAAGATGTGAAGAGGCTTCTGAACTACACAAGGACCGGTTCCGAGGTGACCTGCGGTGGATCCT
 CTTCTGTGCAGACCTGCCGTCCCTCATCCAAGAAGGCCCTCAATGCGGGCTGGTGGCCTTTGTGGATGGCA
 GGTACTCTCCTGTGCCCCCAGTGGCGTCCCCCTGGAGAGACTCATACGGGTGGCCACGAAAGAGGCT
 ACACGGCCAGGGAGAGATGTTCTCAGTGGCCGATATGGGCAGGCTGGCCAGGAGGTGCTGGGCTGCCA
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 CATCCCCTGCTCATCCCCTACGACGAGGACTTCAACCATGAGCCGTGTCAGAGGAAGGGCCACAAGGCAC
 ACTGGGCGGTGAGTGCAGGGTCTGCTGGGTGTTGGGCTGTGCCAGTCTCGGCTACACTGAGGACCC
 TGAGCTGCCGGGCTGTTCCACCAAGTGTGGGCACGCCCTGCCAACCACCATCCCTGCCAGAGGAGGGC
 TCCCCGGGAGCTGTCTACCTGCTGTCCAAGCAGGGCAAGAGTTGGCACTATCAGTGTGGGACTACGACC
 AGGTCCGGGAGAGCAACCTGCAGCTGACGACTTCTCGCCCTCACGGGCCACTGACGGCCGGGTGTACGT
 GGTGCCCGTGGGTGGGTACGGGCTGGCCTCTGTGGCCAGGCCCTGCTCCTCACACCACAGGACTGCAGC
 CAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC224199 representing NM_198476
 Red=Cloning site Green=Tags(s)

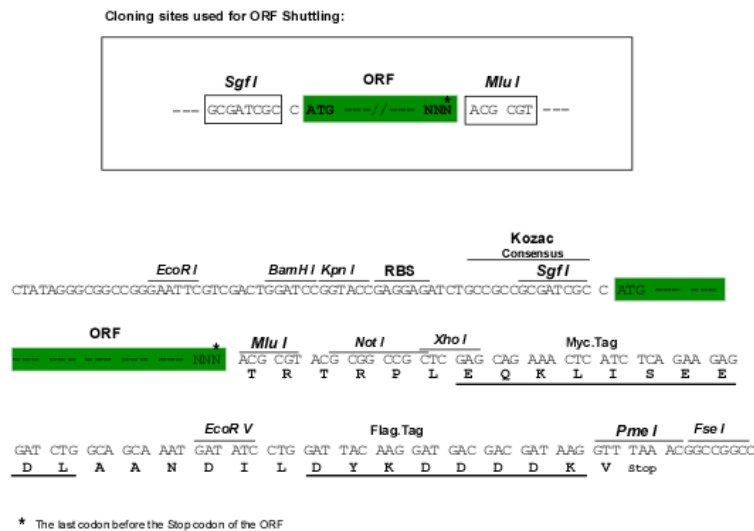
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 GTLLSPPSGVPLERLIRVATERGYTAQGEFMSVADMGRLAQEVLCQAKLLSGGLGGPNRDLVLQHLVTG
 HPLLIPYDEDFNHEPCQRKGKHAHWAVSAGVLLGVRVPSLGYTEDPELPGLFHPVLGTPCQPPSLPEEG
 SPGAVYLLSKQKSWHYQLWDYDQVRESNLQLTDFSPSRATDGRVYVVPVGGVVRAGLCGQALLLTPQDCS
 H

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8043_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198476

ORF Size: 1053 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_198476.5

RefSeq Size: 2769 bp

RefSeq ORF: 1056 bp

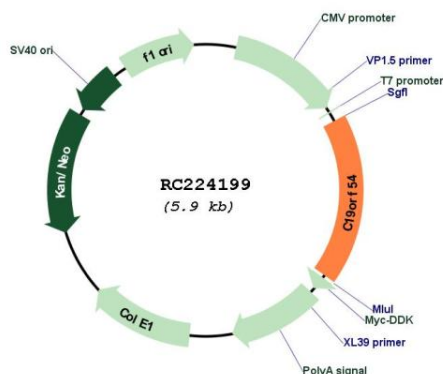
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UniProt ID: Q5BKX5

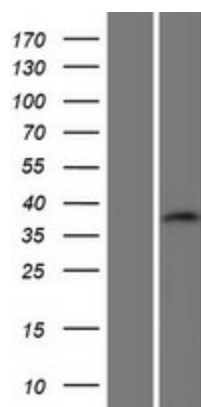
Cytogenetics: 19q13.2

MW: 37.6 kDa

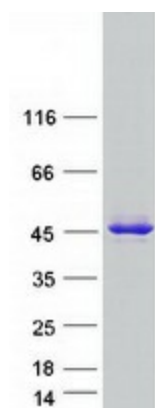
Product images:



Circular map for RC224199



Western blot validation of overexpression lysate (Cat# [LY404910]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224199 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C19orf54 protein (Cat# [TP324199]). The protein was produced from HEK293T cells transfected with C19orf54 cDNA clone (Cat# RC224199) using MegaTran 2.0 (Cat# [TT210002]).