

Product datasheet for RC209613

C1orf94 (NM_032884) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf94 (NM_032884) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1orf94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209613 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGCCCGTTATCAGCAGCAGGCAGGACTGTGATTCTGCCACTTCTACTGTCACAGACATTCTGTGTGCCG
CCGAGGTCAAGAGCAGCAAGGGGACAGAGGACAGGGGCCGCATCCTAGGTGACTCCAACCTGCAAGTCAG
CAAGCTTCTGTCCCAGTCCCAGTGAAGTCCACTGAGACATCCAAGGTCCTGACAACAAGAATGTGCTG
GACAAGACAAGGGTCACCAAGGACTTCTACAGGACAACCTGTTCAAGTGGCCCTGGACCAAGCTCCCTGAGCT
CAGGGCTGAGCCCATTTCTGCTGCTGCCCTCCCGACCTCCTGCACGTCCTGACAAGCTCCCTGAGCT
CCCTGCTCAGAAGAGGCAGCTCCAGTGTGGCAAGATCTGTTCCAAGCCCAAGGCTGACCCTGCTGTG
GAGAGGCACCACTTGATGGAATGGAGCCCTGGACCAAGGAGCCAAAAAGGGTCAAGGGAGCCTTTTC
TCAGCCAGTGGCCCCAGAGCCAGAAGGACGCCTGTGGTGGAGGGGTTGCTGTGACGCAGTGGGCACCGC
ATCACTGACCCTGCCGCCAAGAAACCTACATGTCCAGCCGAGAAGAAGTGGTCTATGAGTTTCTTGGG
GCCACCAAGAACCAAGCGGGCAGCCGAGACTTCGAAACAAGTGGAGTGGATGGGCCGGAGCTGAAAT
TTAACGCACCTGTGACGGTTGCTGACAAGAACAACCCGAAGTACACAGGGAATGTTTTCACTCCACACTT
TCCTACAGCCATGACCTCAGCAACCCTGAACCAGCCACTCTGGCTCAACCTGAACATCCACCTCCACCA
GTGTTCCAGCAATCACTCTACCTTCTGAGTATCAGGGCCTGTACCCACAGCAGGACGCGAGGATGCCCT
ATCAGCAGGCTTTCACCCGAGCTGGGATGTTACTCCCAACAGGTGATGCCATACAACCCACAGCAGAT
GGGACAGCAGATCTTCCGCTCTTCTACACCCCTCTGCTGAGCTACATCCCTTTTGTCCAGCCCAATTAT
CCCTACCTCAGAGGACACCTCCAAGATGTCTGCCAACCCCGAGACCTCCCTAATGGCAGGAGATG
GACCGCAGTACCTTTTCCCAAGGATATGGGTTCCGGCTCGACATCCGGAGGGCCCTTGATGCACAGCCC
CTATTTTCTTCCAGTGGGAATGGCATAAACTTT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209613 protein sequence
Red=Cloning site Green=Tags(s)

MPVISSRQDCDSATSTVTDILCAAQVSSKSGTDRGRILGDSNLQVSKLLSQFPLKSTETSKVDPDNKNVL
 DKTRVTKDFLQDNLFSGPGPKEPTGLSPFLLLP RPPPARPKLPELPAQKRQLPVFAKICSKPKADPAV
 ERHHLMEWSPGTEPKKGGSLFLSQWPQSQKDACGEECCDAVGTASLTLPPKPTCPAEKNLLYEFGLG
 ATKNPSSGQPRRLRNKVEVDGPELKFNPVTVADKNNPKYTGNVFPHFPTAMTSATLNQPLWLNLYPPPP
 VFTNHSTFLQYQGLYPQQAARMPYQQALHPQLGCYSQQVMPYNPQQMQQQIFRSSYTPLLSYIPFVQPNY
 PYPQRTPPKMSANPRDPLMAGDGPQYLFQGYGFGSTSGGPLMHSPYFSSSSNGINP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6366_e12.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_032884

ORF Size: 1224 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_032884.5](#)

RefSeq Size: 2136 bp

RefSeq ORF: 1227 bp

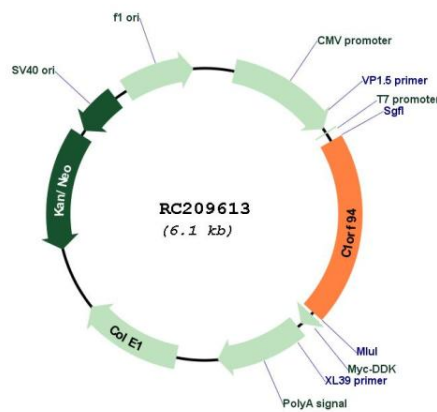
Locus ID: 84970

UniProt ID: [Q6P1W5](#)

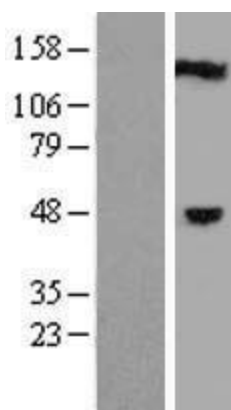
Cytogenetics: 1p35.1

MW: 44.9 kDa

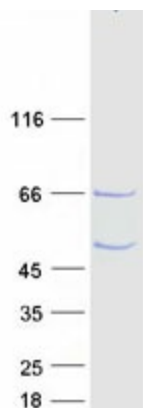
Product images:



Circular map for RC209613



Western blot validation of overexpression lysate (Cat# [LY409810]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209613 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C1orf94 protein (Cat# [TP309613]). The protein was produced from HEK293T cells transfected with C1orf94 cDNA clone (Cat# RC209613) using MegaTran 2.0 (Cat# [TT210002]).