

Product datasheet for **RC207934**

C1orf74 (NM_152485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf74 (NM_152485) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1orf74
Synonyms:	URLC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207934 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGCTTCTAGATCTCATGTCATCACCGAGCCCTCAGCTGCTGGTGGCAGCTGCTCAGCAGACCCTTG
GCATGGGAAAGAGACGGAGTCCACCCCAAGCCATCTGCCTTCACTTAGCTGGAGAGGTGCTGGCTGTGGC
CCGGGGACTGAAGCCAGCTGTGCTCTATGATTGCAACTGTGCAGGGGCATCAGAGCTCCAGAGCTATCTG
GAGGAGCTGAAGGGGCTTGGCTTCTGACTTTTGGACTTCACATCCTTGAGATTGGAGAAAACAGCCTGA
TTGTCAGTCCTGAGCATGTATGTCAGCACTTGGAGCAGGTGCTGCTTGGTACCATAGCCTTGTGGATGT
TTCCAGCTGCCAGCGTCACCCCTTCTGTCTGCTCCCTGGACCAGCTTCAGGACTTGAAGGCCCTCGTGGCT
GAGATCATCACACATTTGCAGGGGCTGCAGAGGGACTTATCTCTAGCAGTCTCCTACAGCAGGCTCCATT
CCTCAGACTGGAATCTGTGTACTGTATTTGGGATCCTCCTGGGCTATCCTGTTCCCTATACCTTTACCT
GAACCAGGGAGATGACAACCTGCTTAGCTCTGACTCCACTACGAGTATTCAGTCCCGGATCTCATGGTTG
CTAGGTCAACCCCAATCCTGCTCTATTCTTTAGTGTCCAGAGAGTTTGTCCAGGCCCTGAGGGACA
TTCTAAACACCTGGGAGAAGGACCTCAGAACCCGATTTAGGACTCAGAATGACTTTGCTGATCTCAGCAT
CTCCTCTGAGATAGTCACACTGCCGGCTGTGGCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207934 protein sequence
 Red=Cloning site Green=Tags(s)

MLLLDLMSSPSPQLLVAAAQQLTGMGKRRSPQAIICLHLAGEVLAVARGLKPAVL YDCNCAGASELQSYL
 EELKGLGFLTFGLHILEIGENSLIVSPEHVCQHLEQVLLGTIAFVDVSSCQRHPSVCSLDLQDLKALVA
 EIITHLQGLQRDL SLAVSYSRLHSSDWNLC TVFGILLGYPVPYTFHNLNQDDNCLAL TPLRVFTARISWL
 LGQPPILLYSFSVPESLFPGLRDILNTWEKDLRTRFRTQND FADLSISSEIVTLPAVAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6721_b05.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_152485

ORF Size: 807 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_152485.4](#)

RefSeq Size: 1642 bp

RefSeq ORF: 810 bp

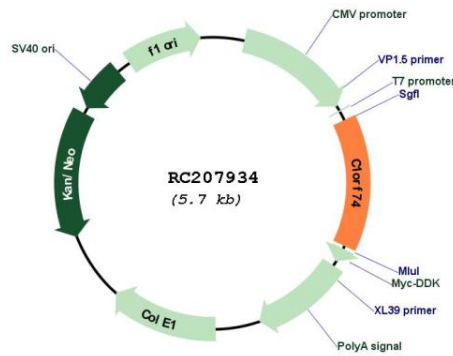
Locus ID: 148304

UniProt ID: [Q96LT6](#)

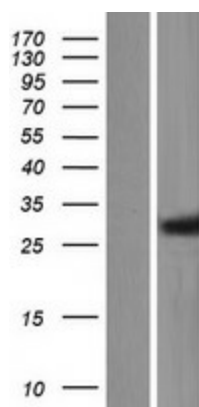
Cytogenetics: 1q32.2

MW: 29.6 kDa

Product images:



Circular map for RC207934



Western blot validation of overexpression lysate (Cat# [LY407493]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207934 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).