

Product datasheet for **RC209599**

ZNF774 (NM_001004309) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF774 (NM_001004309) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF774
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC209599 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTGGGGACTTCAGGGAAGAGTGGGTTACCTGGACACTGCTTAGAGAATCCTCTCCAGGAATGCC
 ACCCAGCACAGTTAGAAGAATGGGCTCTCAAAGGAATTTCCAGGCCTAGTGAATCTCCAGCCGGAGCA
 GAAAGAAGAGCCATGGGTCTACCACTCCAAAACCTTTGAGGCGAGGAAGATCCCGAGGAAAGCCACACA
 GACTGTGAGCATCAGGTGGCAAAGCTCAATCAGGACAGTTCTGAAACAGCAGAACAATGTGGAACATCCT
 CAGAAAGGACCAATAAGATCTTTCTACTCTTAGTTGGGAGGAACTGGGAGCAAGGCCTAGAATT
 AGAAGGGCAACATGGAACCTTCCAGGAGAGGGCCAGTGGAGTCTTTTACAGGAGAGGGATTTAAAC
 AAGCTCCTGGATGGATATGTAGGAGAGAAGCCTATGTGTGCAGAATGCGGAAAAGCTTTAACAGAGTT
 CCTATCTCATAAGACACCTAAGAACCACACTGGCGAGAGGCCCTATACGTGCATTGAGTGTGGAAAGG
 CTTCAAACAGAGCTCAGACCTTGTACCCATCGCAGAACACACAGGAGAGAAGCCCTACCAATGCAAG
 GGGTGTGAGAAGAAATCAGCGACAGCTCAACTCATCAAACATCAGAGAACCCACACAGGGGAGAGAC
 CCTATGAGTGCCAGAGTGTGGAAGACTTTTGGGCGGAAGCCACACCTATAATGCACCAAAGAACCCA
 CACAGGCGAGAAGCCCTACGCGTGCCTGGAATGTCAAAAAGCTTCAGTCGAAGCTCAAATTTCACTACT
 CACCAGAGGCCACACAGGGGTGAAGCCTTACAGGTGAATGACTGTGGGGAGAGTTTTAGCCAGAGCT
 CGGATTTGATTAAGCACCAACGAACCCACACGGGAGAACGGCCCTCAAATGCCCGGAGTGCAGGAAAGG
 CTTAGAGATAGTTCTCATTGTTAGCTCACATGAGCACTCATTAGGAGAGAGGCCCTTTCAGTTGTCCT
 GACTGCCACAAAAGCTTCAGTCAGAGCTCACATTTGGTCACGCACCAAAGAACACACACAGGTGAGAGAC
 CTTTTAAGTGCAGAAAAGCTGTGGGAAAGGATTCGCGGACAGCTCCGCCCTCATTAAAGCACCAAGTCCA
 CACCGGAGAAAGACCCTACAAATGTGGAGAGTGTGGGAAGAGCTTCAATCAGAGCTCCCACTTTATTACC
 CATCAGCGAATCCAATAGGAGACAGGCCCTATCGATGTCCTGAGTGTGGCAAGACCTTCAATCAGCGTT
 CCCATTTCTCACACACCAGAGAACGCATACAGGAGAAAAACCTTCCACTGTAGTAAATGTAACAAGAG
 CTTCCGTCAGAAAGCGCATCTTTTATGCCATCAAACACCCATTTGATT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209599 protein sequence
 Red=Cloning site Green=Tags(s)

MWLGTSGKSGLPGHCLNPLQECHPAQLEEWALKGISRPSVISQPEQKEEPWVLPQNFEARKIPRESHT
 DCEHQVAKLNQDSSETAEQCGTSSERTNKDLSHTLSWGGNWEQGLELEGQHGTLPGEGQLESFSQERDLN
 KLLDGYVGEKPMCAECGKSFNQSSYLIRHLRHTGERPYTCIECGKGFQSSDLVTHRRHTGKPYQCK
 GCEKKSFSSTLIKHQRTHTGERPYECPGKTFGRKPHLIMHQRTHTGKPYACLECHKFSRSSFNIT
 HQRTHTGVKPYRCNDCGESFSQSSDLIKHQRTHTGERPFKCEPGKGFDRDSSHFAHMSTHSGERPFSCP
 DCHKFSQSSHLVTHQRTHTGERPFKCNCGKGFADSSALIKHQRIHTGERPYKCGECGKSFNQSSHFIT
 HQRIHLGDRPYRCPECGKTFNQSHFLTHQRTHTGKPFHCSKCNKSFQKAHLLCHQNTHLI

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6620_f08.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001004309

ORF Size: 1449 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_001004309.1](#), [NP_001004309.1](#)

RefSeq Size: 1855 bp

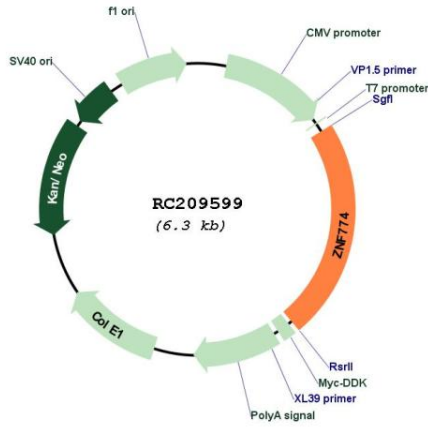
RefSeq ORF: 1452 bp

Locus ID: 342132

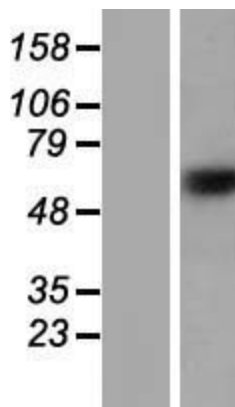
UniProt ID: [Q6NX45](#)

Cytogenetics: 15q26.1
 MW: 55 kDa
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC209599



Western blot validation of overexpression lysate (Cat# [LY424085]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209599 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).