

Product datasheet for **RC206200**

ZCCHC24 (NM_153367) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZCCHC24 (NM_153367) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZCCHC24
Synonyms:	C10orf56; Z3CXXC8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206200 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCTGCTGTCGGCCATCGACACGAGCGCCGCTCGGTGTACCAGCCCGCCAGCTGCTCAACTGGG
 TCTACCTGTCGCTGCAGGACACGCACAGGCTAGCGCCTTCGATGCCTCCGGCCCGTGCCGACCGCCGG
 CGCCGCACCCCGGAGCTGGCCTTCGGCAAGGGCCGCCCGAGCAGCTGGGCTCGCCCTGCACTCCAGC
 TATCTCAACAGCTTCTTCAGCTGCAGCGCGGAGAGGCGCTGAGCAACAGTGTGTACAAGGGCGCCTCAC
 CCTATGGCTCCCTCAACAACATCGCCGATGGCCTCAGCTCCCTCACCGAGCACTTCTCAGACCTGACCCCT
 CACCTCCGAGGCTCGCAAGCCCAGCAAGCGGCCCCCAACCAACTACCTGTGCCACCTGTGCTTCAACAAA
 GGACACTACATCAAGGACTGCCCCAGGCACGCCCCAAAGGCGAGGGCCTGACTCCATACCAAGGGCAAAA
 AGCGCTGCTTCGGCGAGTACAAGTGTCCCAAGTGAAGAGAAAATGGATGAGCGGGAACCTCTGGGCCAA
 CATGGGGCAGGAGTGCATCAAGTGCCACATCAACGTGTATCCACACAAGCAGAGACCCCTGGAGAAGCCC
 GACGGCCTGGACGTGTCCGACCAGAGCAAGGAGCACCCGAGCACCTCTGCGAGAAGTGAAGGTCTGG
 GCTACTACTGCCGTCGCGTGACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC206200 protein sequence
 Red=Cloning site Green=Tags(s)

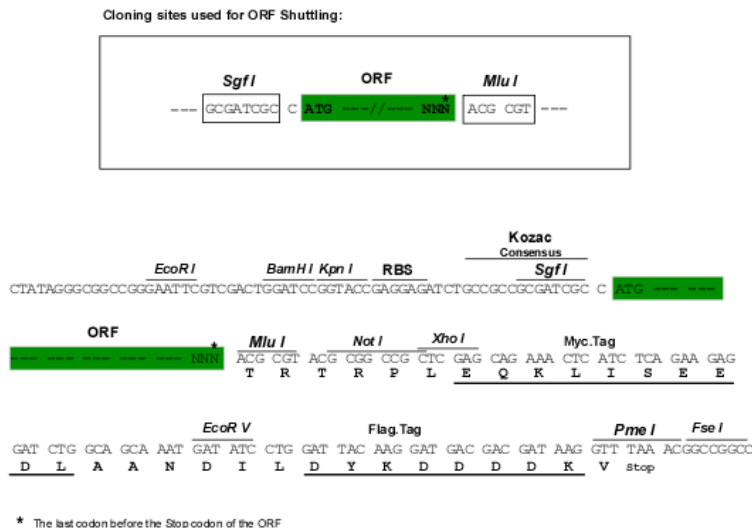
MSLLSAIDTSAASVYQPAQLLNWVYLSLQDTHQASAFDAFRPVPTAGAAPPELAFGKGRPEQLGSPHLHSS
 YLNSFFQLQRGEALSNSVYKGASPYGSLNNIADGLSSLTEHFSDLTLTSEARKPSKRPPPNYLCHLCFNK
 GHYIKDCPQARPKGEGLTPYQGGKRCFGEYKCPKCKRKMWSGNSWANMGQECIKCHINVPYHPKQRPLEKP
 DGLDVSDOSKEHPHQLCEKCKVLGYCYRRVO

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6317_d01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 153367

ORF Size: 723 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_153367.2](#)

RefSeq Size: 4933 bp

RefSeq ORF: 726 bp

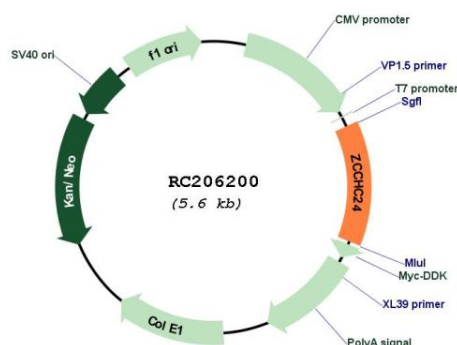
Locus ID: 219654

UniProt ID: [Q8N2G6](#)

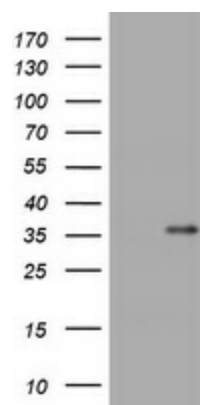
Cytogenetics: 10q22.3

MW: 26.9 kDa

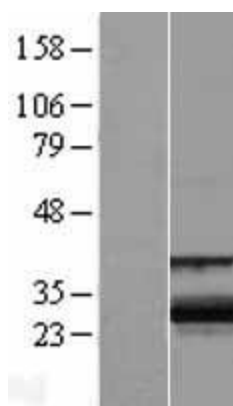
Product images:



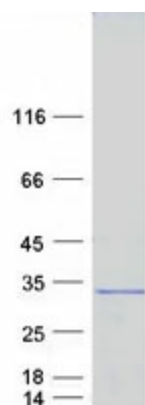
Circular map for RC206200



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ZCCHC24 (Cat# RC206200, 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-ZCCHC24 (Cat# [TA800348]). Positive lysates [LY407079] (100ug) and [LC407079] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY407079]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206200 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZCCHC24 protein (Cat# [TP306200]). The protein was produced from HEK293T cells transfected with ZCCHC24 cDNA clone (Cat# RC206200) using MegaTran 2.0 (Cat# [TT210002]).