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Product datasheet for RC223364

ZNF618 (NM_133374) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF618
Synonyms:	FP13169; NEDD10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC223364 representing NM_133374
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCAGCCGGGCGGCGCGGCGGCTCCGCAGGCTGACGGAGCCAGTGCAGCCGGAAGGAAAAGCACTG
CGAGCAGGGAGCGCTTGAAGCGCAGCCAGAAGAGCACCAAGGTGGAGGGCCCAGAGCCAGTGCCAGCCGA
GGCCTCGCTGAGTGCCGAGCAAGGAACGATGACGGAGGTGAAGGTGAAGACAGAGCTGCCCGATGACTAC
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CATGTGCCTTCGCTGCTCAGCCTGTGCCTTGAACTCGGTGGTGCAGAGCGTGCTGAGCAAGCGGACACTG
CAGGCCCGCAGCATGCACGAGGTCATCGAGCTGCTCAACGTGTGCGAGGACCTGGCGGGCTCCACGGGCC
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CGGAGGCGGCTGCTCAGTCCAGAAGATATGAATAAACTCATGTTTCTGAAATCCAACATGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223364 representing NM_133374
Red=Cloning site Green=Tags(s)

MNQPGGAAAPQADGASAAGRKSTASRERLKRSQKSTKVEGPEPVPAEASLSAEQGTMTEVKVKTELPDDY
IQEVIWQGEAKEEKKAVSKDGTSDVPAEICVVIGGVRNQQTLGSYECGICGKKYKYYNCFQTHVRAHRDT
EATSGEGASQSNNFRYTCDICGKKYKYYSCFQEHRDLHAVDVFSVEGAPENRADPFDQGVVATDEVKEEP
PEPFQKIGPMNNITSDIFKKKEVRQCQKRETGNYTCEFCGKQYKYYTPYQEHVALHAPIKSAFSRRVEGK
AQNHFEETNSSSQNSSEPYTCGACGIQFQFYNNLLEHMQSHAADNENNIASNQSRSPPAVVEEKWKPQAQ
RNSANNTTTSGLTPNSMIPEKERQNIAERLLRVMCADLGALSVVSGKEFLKLAQTLVDSGARYGAFSVTE
ILGNFNTLALKHLPRMYNQVKVKVTCALGSNACLGIGVTCHSQSVGPDSCYILTAYQAEGNHIKSYVLGV
KGADIRDSGDLVHHWVQNVLSEFVMSEIRTVYVTDCRVSTSAFSKAGMCLRCSACALNSVVQSVLSKRTL
QARSMHEVIELLNVCEDLAGSTGLAKETFGSLEETSPPPCWNSVTDSLLLVHERYEQICEFYSRAKKMNL
IQSLNKHLLSNLAAILTPVKQAVIELSNESQPTLQLVLPTYVRLEKLFTAKANDAGTVSKLCHLFLEALK
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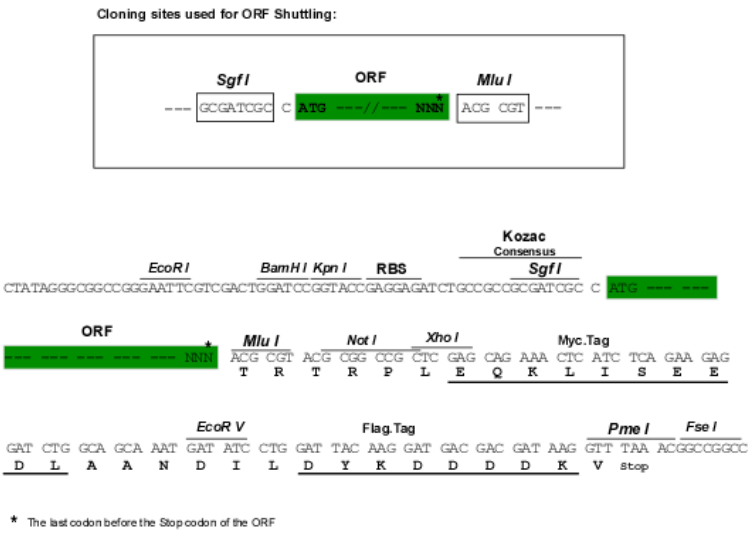
QEDDRLGKNEVYDYLQEPLFQATPDLFQYWSCVTQKHTKLAKLAFWLLAVPAVGARSGCVNMCEQALLIK
RRRLLSPEDMNKLMFLKSNML

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8047_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133374

ORF Size: 2583 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_133374.2, NP_588615.2

RefSeq Size: 9133 bp

RefSeq ORF: 2586 bp

Locus ID: 114991

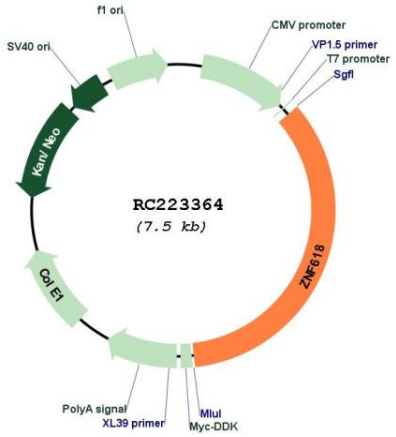
UniProt ID: Q5T7W0

Cytogenetics: 9q32

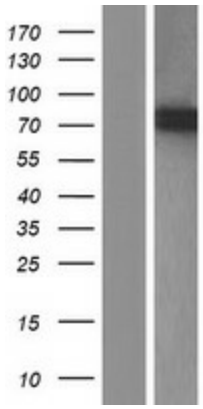
MW: 95.4 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223364



Western blot validation of overexpression lysate (Cat# [LY408837]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223364 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).