

Product datasheet for **RC215975**

ZNF418 (NM_133460) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF418 (NM_133460) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF418
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC215975 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCAGGGCACTGTGGCATTGGAAGATGTGGCTGTGAACCTTTCCAGGAGGAGTGGAGTCTCCTTAGTG
 AGGTTTCAGAGATGCCTTTACCATGACGTGATGCTGGAGAACTGGGTACTTATATCCTCCCTGGGTTGTTG
 GTGTGGATCAGAAGATGAGGAGGCACCTTCTAAGAAGAGCATTCTATACAAAGAGTGTCTCAGGTCAGC
 ACTCCTGGGGCAGGTGTGTCTCCAAGAAGGCCACTCTTGTAATGTGTGGCGCATCTTGGGAGACA
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Protein Sequence: >RC215975 protein sequence
Red=Cloning site Green=Tags(s)

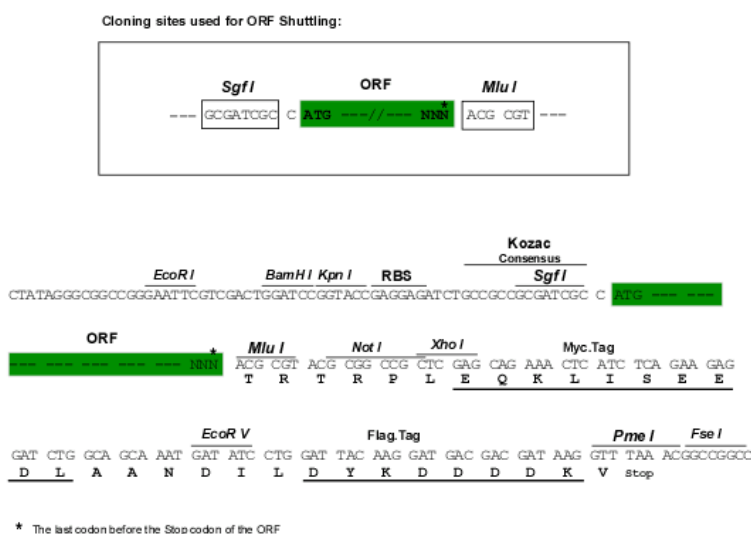
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TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6688_g11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_133460

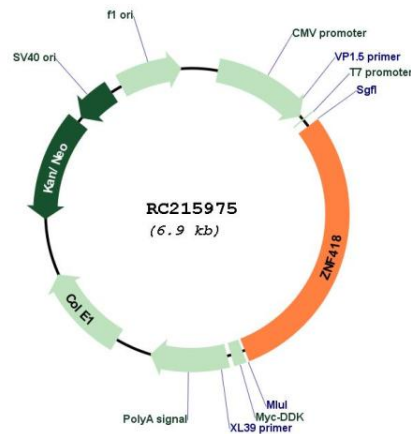
ORF Size: 2028 bp

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](#)

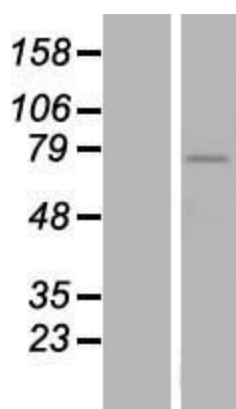
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_133460.3</u>
RefSeq Size:	3712 bp
RefSeq ORF:	2031 bp
Locus ID:	147686
UniProt ID:	<u>Q8TF45</u>
Cytogenetics:	19q13.43
MW:	77.9 kDa
Gene Summary:	Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC215975



Western blot validation of overexpression lysate (Cat# [LY408798]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215975 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).