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Product datasheet for RC202794

ZNF649 (NM_023074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF649 (NM_023074) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF649
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC202794 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAAAGGCCCAGGAATCACTGACCCTGGAGGATGTGGCTGTGGACTTCACCTGGGAGGAGTGGCAGT
TCCTGAGCCCTGCTCAGAAGGACCTGTACCGGGATGTGATGTTGGAGAACTACAGCAACCTTGTGTCAGT
GGGGTATCAAGCCGGCAAACCTGATGCCCTCACCAAGTTGGAACAAGGAGAACCACTATGGACACTAGAA
GATGAAATCCACAGTCCAGCCCACCCAGAAATTGAGAAAGCTGATGATCATCTGCAGCAGCCCTTGCAAA
ACCAAAAAATACTGAAGAGGACGGGACAACGCTATGAACACGGAAGAACTTTGAAATCATATTTAGGTTT
AACCAACCAGAGCAGAAGATACAACAGAAAGGAGCCTGCTGAGTTTAATGGAGATGGAGCTTTTCTCCAT
GATAATCATGAACAAATGCCTACGGAAATTGAATTCCCTGAAAGTAGAAAACCCATCAGCACCAAGTCAC
AATTCCTTAAACATCAGCAAACACACAACATAGAGAAAGCCCATGAATGCACTGACTGTGGGAAAGCTTT
CCTCAAGAAGTCTCAGCTCACTGAGCATAAGAGAATTCATACAGGAAAGAAACCCCACGTGTGTAGCTTG
TGTGGGAAAGCCTTCTACAAGAAGTACAGGCTCACTGAACACGAGAGAGCTCACAGAGGAGAGAAACCCC
ACGGGTGTAGCTTGTGTGGGAAAGCCTTCTACAAGAGGTACAGGCTCACTGAACACGAGAGAGCTCACAA
AGGAGAGAAACCATACGGGTGCAGTGAATGTGGGAAAGCCTTCCCCAGGAAATCTGAGCTTACTGAACAT
CAAAGGATTCACACGGGAATTAAGCCCCATCAATGCAGCGAATGTGGGAGAGCTTTCTCCAGAAAATCAC
TACTCGTTGTACATCAGCGAACTCATACAGGAGAGAAGCCTCATACATGCAGTGAATGTGGAAAAGGCTT
CATTCAGAAGGGCAATCTCAACATACATCAACGAACTCACACTGGAGAGAAACCTTATGGATGCATTGAC
TGTGGCAAGGCCTTCAGCCAGAAGTCTTGCCTTGTAGCACATCAGAGATATCATACAGGAAAGACTCCCT
TTGTATGTCCTGAATGTGGGCAACCCTGTTCACAGAAGTCAGGACTCATTAGACATCAGAAAATTCACTC
AGGAGAGAAACCCTATAAATGCAGTGACTGTGGGAAAGCCTTCCTTACAAAGACAATGCTCATTGTACAT
CACAGAACTCACACGGGAGAGAGACCCTATGGCTGTGATGAGTGTGAGAAAGCTTACTTCTATATGTCTT
GCCTTGTTAAACATAAGAGAATACACTCAAGGGAGAAACGGGGGGATTCAGTGAAGGTGGAAAATCCTTC
CACAGCAAGTCACAGCTTAAGTCCTAGTGAACATGTGCAGGGGAAAAGCCCTGTTAATATGGTAACTGTG
GCAATGGTGGCAGGGCAGTGTGAGTTTGCCCACATCCTGCATTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202794 protein sequence
Red=Cloning site Green=Tags(s)

MTKAQESLTLEDVAVDFTWEEWQFLSPAQKDLYRDVMLENYSNLVSVGYQAGKPDALTKLEQGEPLWTLE
DEIHSPAHPEIEKADDHLQQPLQNQKILKRTGQRYEHGRTLKSYLGLTNQSRRYNRKEPAEFNGDGAFLH
DNHEQMPTEIEFPESRKPISTKSQFLKHQQTHNIEKAHECTDCGKAFLKKSQLTEHKRIHTGKKPHVCSL
CGKAFYKKYRLTEHERAHRGEKPHGCSLCGKAFYKRYRLTEHERAHKGEKPYGCSECGKAFPRKSELTEH
QRIHTGIKPHQCSECGRAFSRKSLLVVHQRTHTGEKPHTCSECGKGFIQKGNLNIHQRTHTGEKPYGCID
CGKAFSQKSCLVAHQRYHTGKTPFVCPECGQPCSQKSGLIRHQKIHSGEKPYKCSDCGKAFLTKTMLIVH
HRTHTGERPYGCDECEKAYFYMSCLVKHKRIHSREKRGDSVKVENPSTASHSLSPSEHVQGKSPVNMVTV
AMVAGQCEFAHILHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6674_d04.zip

Restriction Sites: SgfI-MluI

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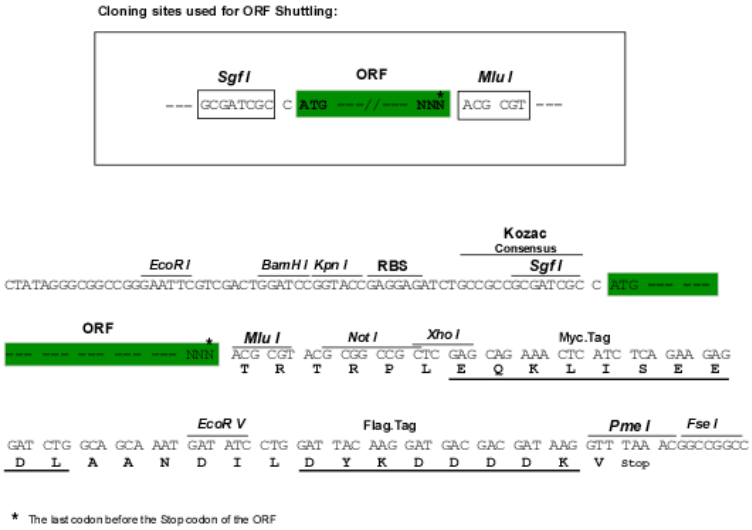
Cloning Scheme:



ACCN:	NM_023074
ORF Size:	1515 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_023074.4
RefSeq Size:	3234 bp
RefSeq ORF:	1518 bp
Locus ID:	65251
UniProt ID:	Q9BS31
Cytogenetics:	19q13.41

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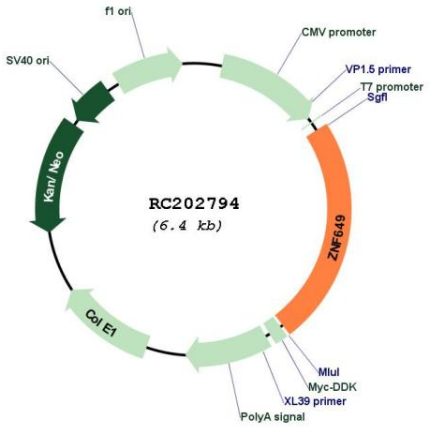
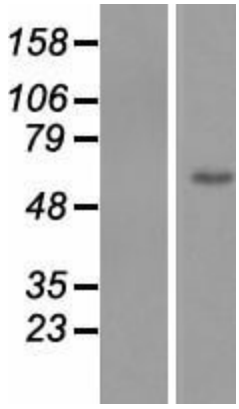
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
MW:	57.7 kDa
Gene Summary:	Transcriptional repressor. Regulator of transcriptional factor complexes and may suppress SRE and AP-1 transcription activities mediated by growth factor signaling pathways. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC202794



Western blot validation of overexpression lysate (Cat# [LY411506]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202794 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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