

Product datasheet for **RC221166**

ZNF628 (NM_033113) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF628 (NM_033113) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF628
Synonyms:	ZEC; Zfp628
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221166 representing NM_033113 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGGTGTGATGGTCGGCTCCACGCGGACATGGCGCCGGCCTCTACTGCGGAGGGGGCCGGGGAGA
AGCCAGGCCCTGCGGCCCTGCCCGGGCGGCCAGTACGAATGTGGGAGTGTGGCAAGTCATTCCGGTG
GTCGTCCCGGCTCCTGCACCACAGCGCACGACACAGGCGAGCGGCCCTACAAGTGCCAGACTGCCCC
AAGGCTTTCAAAGGCTCCTCGGCCCTGCTCTACCACAGCGAGGCCACACGGGCGAGCGGCCCTACAGT
GCCCCGACTGTCCAAGGCTTCAAGCGCTCCTCTGCTGCAGATCCACCGTAGCGTGACACCGGCCCT
GCGGGCCTTCATCTGCGGCCAGTGGCGCCTGGCCTTCAAGTGGTCGTCCCACTACCACTTAAAGG
CAGCACACAGGCGAGCGCCCCTACCCGTGCCCGGACTGCCCAAGGCCTTCAAGAACTCGTCCAGCCTGC
GGCGCCACCGCCACGTGCACACCGGCGAGCGGCCCTACACCTGTGGAGTCTGCGGAAGAGCTTCACGCA
GAGCACCACCTGCGGCAGCACCAGCGCGTGCACACGGGCGAGCGGCCCTTCCGCTGCCGCTCTGCCCC
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GCGGCACCTCCAGCCCCACAGCCCGCCCGCCCTCCCGCCCCGCGCCCCCGCCCCGCGCTGGTGCT
GAGCTCTTTTGGCGGCGGCGAGACACGGTGGAGCTGGTGTACCGCTGCGATGGCTGCGAGCAGGGAT
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GGCACCCGCGAGGCGCCAAGGCCGACAGCCACCGTCCCTCTGCGCAGCCCCCTCCTCCGCGCGCC
GCCCCGCGCCTGGCTTTGCCTGTCTGCCCTGCGGCAAGTCCTTCCGACGGTGGCTGGGCTCTCCGCGC
ACCAGCACAGCCACGGGCTGCCGGCGGCAAGCGTTCCGCTGCGGCAGCTGCGACGGCTCCTTCCGCA
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CGGGCTGCGCTACCACCTGCGGGACCACAGGGCGAGCGGCCCTACCAGTGTGGCGAGTGCGGCAAGGCC



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TTCAAGCGCTCCTCCCTGCTGGCCATCCACCAGCGGGTGACACGGGCTGCGGGCCTTACCTGTGGCC
AGTGCGGCTCACCTTCAAGTGGTCTGCCACTACCACTACCACTGCGGCTGCACTCTGGCGAGCGGCC
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CCCCGCAGGAGCTGGGCTGGTGTATGACCCCTCAGGGCTGCCCTCCATCCAGATTGTCCAGACTCTA
CCCGCAGTCCAGTGGTGCACACGTTT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221166 representing NM_033113

Red=Cloning site Green=Tags(s)

MSGVMVGSADMAPASTAEGAGEKPGPAAPAPAAQYECGEGKSFRWSSRLLHHQRTHTGERPYKCPDCP
KAFKGSSALLYHQRGHTGERPYQCPDCPKAFKRSSLLQIHRSVHTGLRAFIGCQGLAFKWSSHYQYHLR
QHTGERPYPCDCPKAFKNSSSLRRHRVHTGERPYTCGVCGKSFTQSTNLRQHQRVHTGERPFRCPLCP
KTFTHSSNLLLHQRTHGAAPAGTASAAPPPQSREPGKVFCDAYLQRHLQPHSPPAPPAPPPPPVVP
ELFLAAAEETTVELVYRCDGCEQGFSSSELLLLHQPCPGDAAPQPQEAPEAPKADQPPSPLPQPPPPAA
APAPGFACLPCKGSFRTVAGLSRHQSHGAAGGQAFRCGSCDGSFPQLASLLAHQQCHVEEAAAGRPPQ
AEAAEVTCPQEPLAAPVPPPPSAPASAERYKCAECGKSFKGSSGLRYHLRDHTGERPYQCGECGKA
FKRSSLLAIHQRVHTGLRAFTCGQCGLTFKWSSHYQYHLRLHSGERPYACGECGKAFRNTSCLRRHRVH
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AGVVWLPGPGLGVQGAASAGASGTGQSLIVLQNVGGGEAGPQEMSGVQLQPLRPAPVTTVQLQPAQEV
TTVQLQPAQEVTTVQLQPAQEVTTVQLQPVAGQLSNSSGGAVATEAPNLLVVQSGAAEELLTGPGPGGAG
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PATELLDSSNTGGGTATLQLLAPPPSGPASGAPGLPGAPASQMVQVVPAGAGPGVMTQGLPSIQIVQTL
PAVQLVHTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_033113

ORF Size: 3177 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.

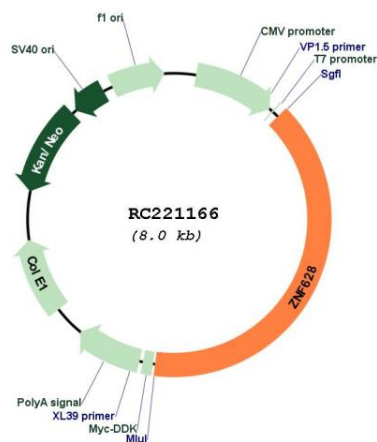
RefSeq: [NM_033113.3](#)

RefSeq Size: 3867 bp

RefSeq ORF: 3180 bp

Locus ID:	89887
UniProt ID:	Q5EBL2
Cytogenetics:	19q13.42
MW:	110.9 kDa
Gene Summary:	Zinc finger proteins (ZNFs), which bind nucleic acids, perform many key functions, the most important of which is regulating transcription. See ZNF91 (MIM 603971) for general information on ZNFs.[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC221166