

Product datasheet for **RC220260**

ZNF648 (NM_001009992) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF648 (NM_001009992) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF648
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC220260 representing NM_001009992
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACAAGTGGACTCCCAGGACAGGTGGGAGAGGCGTCTCCTCTCAGCAGCTTGACTGAGGAAGCTC
 ATGACACCCAGATGCTGAGCATGAACTTAGAGAGTGACGATGAAGATGGTGGGGAGGCCGAAAAAGAGGG
 CACCGCTGACCCGGTGGCCTGTCCAAGGGCAGCTCCCCAGTAACACACGAAAATCCTGACTTGCCATGG
 CCCCATCCACTGGGCAAAGAGGAAGAGAAATTCTCTGACTCCTCCAGTGTGGGGCATGGGGCAGAAAC
 CAGTGGAAATGTCTGGGAAAGCCAGTTGGAGCAGAGATGTGACAAAGATCAACGAGACCCAGGGTCCCC
 GGGAGCAAGCAGAGCTCTGGGTTCCCTTCCAGTGGTCTCGCACACAAATTGTTAGGTGAGTCAACCT
 CTTGGGGACCGACTACCTGCGGGTATGATGGATACTCGGGGGCAAACAGGACGAGTCTTGGATGTCC
 CACCCAGCTTCCCAGCAATGAAAGTATCTCTGTGCGCACAAAGTGTAGACAGTCCGACGGGAACTC
 TTCTCTGTGTGTTTCCCGAGGCGGGGAGCAACTGGGACCTTCCACGCAAGAGACACATACACGAGCC
 CAGGCGTCGGCCACCCAGCCAGCTGGCTGCCGCGTCTGGCAAAAGCGCGGAACAGCAGGAAAGTAC
 AGAACCAGGCGGGCGCGCGAGGGCGGAGAGGCTGAGGCGCGTCCCTACAGGTGCTGCGGGCGGGCG
 GGCTTTTCAAGCCAGCAAGCCGCTGAGCCCGCGGAGACGCGCGCGCGGCCGCAAGCGCTACGCG
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 CACCCACACAGGCGAGAAACCTACCCGTGTCCAGACTGCGGGAAGGCCTTCGTGCGCTCTTCGGACCTG
 CGAAACACAGCGCAACATGCACAGCAACAATAAGCCCTTCCCGTGTCCGAGTGGCGCCTGACCTTCA
 ACAAGCGCTGTGCTGCTGCGCCACGCGCACGACCTGGGCGCCAAGCCCTTCCGCTGCCCGCCTG
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 CCTGCCCCACCTGCGGCAAGTGCTTACCAAGTCTCAATCTGTCCGAGCACCAGAGCTGCACACCG
 GCCAGAGGCCCTTCAAGTGCGCTGACTGCGGCGTGGCCTTCGCGCAGCCCTCGCGCTCGTGCGCCACCA
 GCGCATCCACACTGGCGAGAGGCCCTTCTTGCACGAGTGTGGCCAGGCCCTTTCGCCCTCTTCGACC
 CTGAAGCGGCACCAACAGATCCACTCCGGGAGAGGGATTCTCTGTGCCGAGTGGCGAGGGCCTTCC
 GCATTGCCTCTGAGTTGGCCAGCACATACGAATGCACAACGAGAGAGGCCCTACAGTGTGAGGACTG
 CGGCCAGGCCCTACAGGTCCAATCACCTCCAACGACACCGAGCCAAGCAGGCACCTGCAAGAAGGAG
 CCCATCCCTTCTCCTCTGACGAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC220260 representing NM_001009992
 Red=Cloning site Green=Tags(s)

MAQVDSQDRWGEASPLSSLTEEAHDTQMLSMNLESDDGGEAEKEGTADPVACPRGSSPVTHENPDLPW
 PHPLGKEEEKFSDSSSAGGMGQKPVEMSGKASWSRDVTKINETQSGPGASRALGSLPSGLAHKLLGQMGP
 LGDRLPAGDDGYSGANQDAVLDPSPFSPNGKYLCAHKSVDTSAGNSSLLCFPRPGSNWDLPTQETHTPA
 QASATPASLAAVLAKARNSRKVQNQAGRREGGEAEARPYRCLRGGRAFQKPSKPLSPAETRGGAAKRYA
 CELCGKAYSHRGTLLQHRRLHTGERPYQCSFCDKAYTWSSDHRKHIRTHTGEKPYPCPDCGAFVRSSDL
 RKHQRMHNSNNKPFPCSECLTFNKPLSLLRHQRTHLGAKEPFRCPACDREFAVASRMVEHQRVHSGERPF
 PCPTCGKCFKSSNLSEHQLHTGQRPFKADCQVAFAPQSRLVRHQRIHTGERPFPCTQCGQAFARSST
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 PIPSSSDE

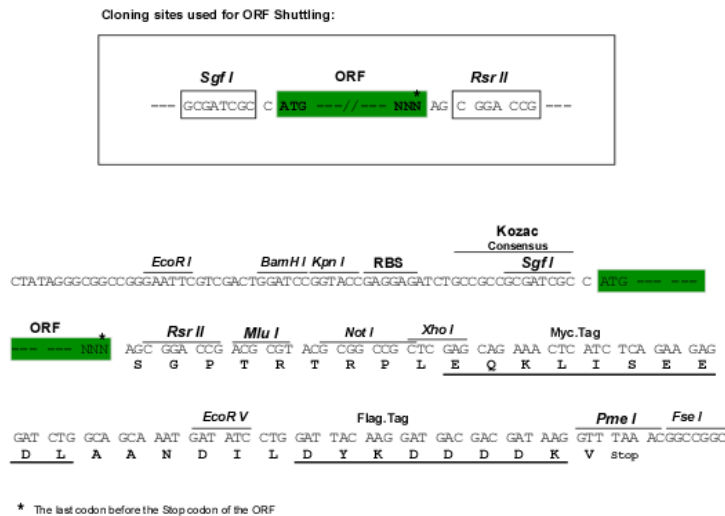
SGP**TRTRRL**EQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1411_g08.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001009992

ORF Size: 1704 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_001009992.1](#), [NP_001009992.1](#)

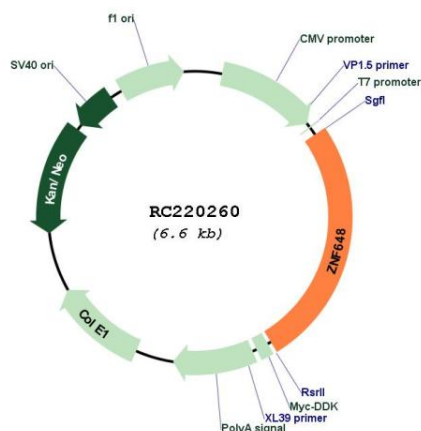
RefSeq Size: 3649 bp

RefSeq ORF: 1707 bp

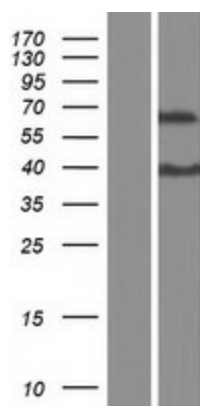
Locus ID: 127665

UniProt ID: Q5T619
Cytogenetics: 1q25.3
MW: 62.2 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

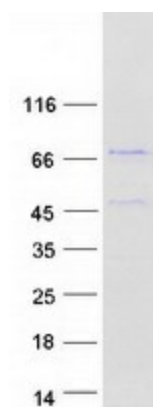
Product images:



Circular map for RC220260



Western blot validation of overexpression lysate (Cat# [LY423170]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220260 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZNF648 protein (Cat# [TP320260]). The protein was produced from HEK293T cells transfected with ZNF648 cDNA clone (Cat# RC220260) using MegaTran 2.0 (Cat# [TT210002]).