

Product datasheet for **RC209589**

ZNF784 (NM_203374) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF784 (NM_203374) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF784
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209589 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCTGCGCGCCAGAGGCCAGAGTCTGGAGCTCACCAGCTCCGGAGTCCGATCCCAGGAGCCAC
TGGACCTGGTCTGGTGCCTGATGACTGCCGGCTGGCACACCCCGAGTGACCTCATCGAGATCCAGGT
GGTGAAGGTGACGGACACACGCTGGTCCCTGAGCCCCGGAGCCAGGTTCTTTCCACTGTGCCTTGTGC
CCTGCTGCCTTCCGGCTGGTTTCCGAGCTGCTGTTCCACGAACATGGCCACTTGGCTGGGGCCGAGGGAG
GCGGGCAGGGTGGGGACCCGAGCCGGTGCCACGTGTGCGGCCACAGCTGCCGGGGCCCGCCAGCCTGCG
CGCGCACTACAGCTTGACACGGGGGAGCGGCCCTACCGCTGCGCGCTCTGCCCGCGCCTTCAAGGCC
TTGGCGCCCTGCTCCGGCACACGACCCGGCACGGGTGGAGCCGGGCACCTCTCGGAGGCCTCCGGACA
CAGCGGCCGTTGCAGAACAGAGGCCGGGGTGGCCCCGGAGAGGGCGGAGGTGGTGATGGCGGCGCGGC
GGCGGGCGCAGCGGTGGGAAGCCTTTGCCTGCAGGTTCTGCGCCAAGCCCTTCCGCCGCTCCTCAGAC
ATGCGAGACCACGAGCGCTGCACACTGGCGAGCGGCCATACCATTGCGGCATCTGCGGAAGGGCTTCA
CCCAGTCTCGGTGCTTAGCGGCCACGCCGCATCCACACTGGCGAGCGCCGTTCCGCTGCACGCTCTG
CGACCGCACCTTCAACAACCTCTCCAATTCCGAAGCACCAGCGCACCACTTCCACGGGCCGGGGCCG
GGGCTGGGAGACTCTGGAGGCCAGCTGGGCTCGTCGGCGGCTGAGGGGTGCGGGAGCGGGTGTGGGGTAG
GGGACCTGCGGAGGAGGGCGGGGGAGACCGCGAAGGTGAAGGTGAGGCCGACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC209589 protein sequence
 Red=Cloning site Green=Tags(s)

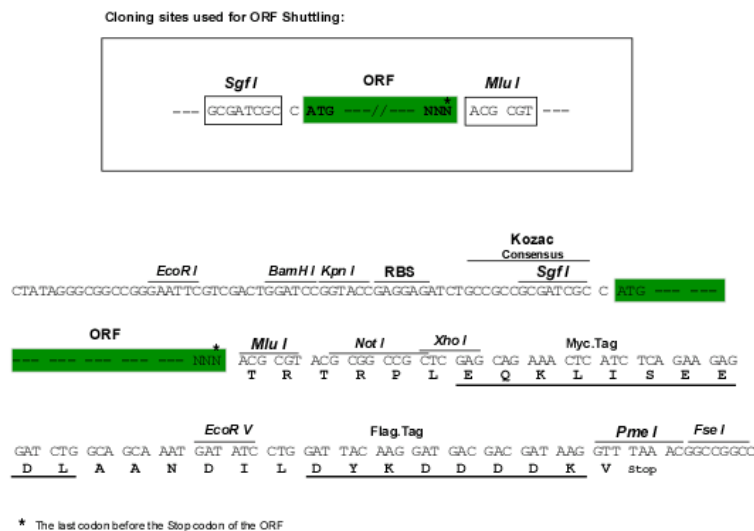
MAAARPEAQRSSPTPESRSQEPLDLVLVPDDCRPGTPPSDLIEIQVVKVTDITLVPEPPEPGSFHCALC
 PAAFRLVSELLFHEHGLAGAEGGGQGGPSRCHVCGHSCPGPASLRAHYSLHTGERPYRCALCPRAFKA
 LAPLLRHQHRHGVPGTSRRPPDTAAVAEQRPVAPERAEEVMAAAAGAAGKPFACRFCAKPFRRSSD
 MRDHERVHTGERPYHCGICGKGFQSSVLSGHARIHTGERPFRCTLCDRTFNSSNFRKHQRTHFHGPGP
 GLGDSGGQLGSSAAEGSGSGCGVGDPAEEGRGETAKVKVEADQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6363_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_203374

ORF Size: 969 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_203374.2](#)

RefSeq Size: 2006 bp

RefSeq ORF: 972 bp

Locus ID: 147808

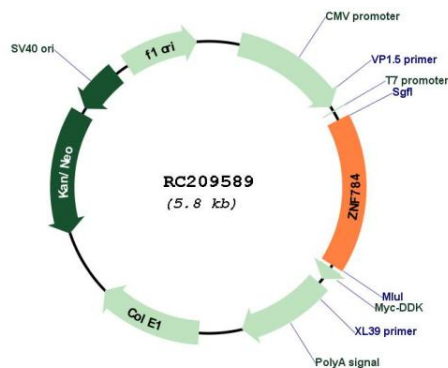
UniProt ID: [Q8NCA9](#)

Cytogenetics: 19q13.42

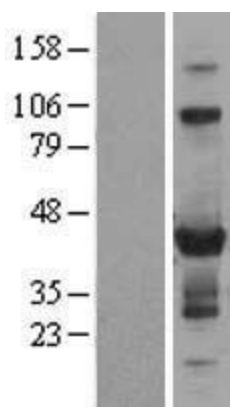
MW: 34.2 kDa

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

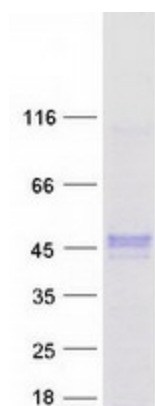
Product images:



Circular map for RC209589



Western blot validation of overexpression lysate (Cat# [LY404316]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209589 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZNF784 protein (Cat# [TP309589]). The protein was produced from HEK293T cells transfected with ZNF784 cDNA clone (Cat# RC209589) using MegaTran 2.0 (Cat# [TT210002]).