

Product datasheet for **RC205781**

ZNF499 (ZBTB45) (NM_032792) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF499 (ZBTB45) (NM_032792) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF499
Synonyms:	ZNF499
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC205781 representing NM_032792
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTGCAGAGGCTGTGCATCACATACACCTGCAGAACTTCTCACGCTCTCTGCTTGAGACCCTCA
 ATGGGCAGAGGCTTGGGGGACACTTCTGTGACGTGACTGTGCGCATTCTGTAAGCTTCGCTGCGTGCCCA
 CCGCTGCGTGCTGGCGGCCGGCTCACCTTCTTCCAAGACAAGCTGCTGCTCGGCCACTCTGAGATCCGT
 GTGCTCCGGTGGTGCCCGCGCAGACAGTGCAGACGTGGTAGAGTTCTGTACAGCGGTTCTGCTGTTG
 TGGCGCAGGGTGAAGCCCTGCAGGTGCTCACGGCCGCTCAGTGTTCGCATACAGACAGTTATCGACGA
 ATGCACGCAGATTATCGCCCGCGCTCGAGCCCGGGCACCTCTGCGCCACGCCCTGCCACCCCTGTG
 CCCCCGCACTCGCACCTGCGCAGCTGCGTCACCGCTGCGCCACCTGCTGGTGCACGTCCCCGGGGC
 ACCCGGTGCTGCACACAGCCGTAAGCAGCGCCAGCCCGCGCTTTCAGCTGCCAGCGCCCCAACACC
 TGCCAAGGCTGAGGGGCTGATGCTGACCCCTCACTGTCCGCGGCCCTGATGACCGAGGTGACGAGGAT
 GACGAGGAAAGTACGATGAGACCGATGGCGAGGATGGCGAAGGTGGCGGCCAGGCGAGGGCCAGGCAC
 CTCTTCTTCCAGACTGTGCTGCTGGCTTCTCACTGTGCTGCTGACAGCGCGTGCGAGGAGCCCCC
 TGCACCACTGGCTCGCTGACTACAGTGGTGCCGGGAGAGATTTCTTCGGGGAGCTGGGTGAGTGA
 GACGTATTTCCAGACAGCTATGTATCCACTTGGCAGCAGAGGATGGCGCTGTCCCCGAAGGCTGTCCCA
 CTGAGACCCCTGTCCAGCCGACTGCATACTGTCTGGATCCCGCCCGCTGGTGTGAAGACCCAGGGCC
 GCGCGTTGCACTTCTCCCTTCACTTGGGTGCCCTGGGCCACCCGACCAACCCCTTCAGCACCATCG
 GGGCCAGCCCTGCGCCCCACCCGCTTCTACCCCACTCCAGCCGAGGCAGCCCCAGTACTCAGC
 TGGGGGAGGTCCCGGCTCCCTCTGCTGCTCCACACGCCCCCTCAGGACCCCTGCTCGACCCCAAG
 TGCTGAGCCACCTACGTATGAGTGCAGCCACTGTCGCAAGACGTTACGCTCCCGGAAAACTACACCAAG
 CACATGTTCACTCGGGGAGAAGCCGACCAAGTGCGCCGTGTGCTGGCGATCTTCTCTCTACGCG
 ACTACCTGCTCAAACACATGGTCACGCACACCGCGTGCAGCGCTTCCAGTGCAGCGTCTGCGCAAGCG
 CTTACGCAGAAGAGCTCGCTCAACGTGCACATGCGCACTACCGGCCGAGCGCGCGCTGCCCGCC
 TGGGCAAGGTCTTCTCGCACCGCGCGTGTGGAGCGCCACCTGGCGGCGCACCTGCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205781 representing NM_032792
 Red=Cloning site Green=Tags(s)

MAAAEAVHHIHLQNFSSRLLETNLNGQLGGHFCDVTVRIEASLRAHRCVLAAGSPFFQDKLLLGHSEIR
 VPPVVPAAQTVRQLVEFLYSGSLVVAQGEALQVLTAAVLRITQVIDECTQIIARARAPGTSAPTPLPTPV
 PPPLAPQLRHRLRHLLAARPPGHPGAHRSRQRPRLQLPAPPTPAKAEAGPDADPSLSAAPDDRDEDED
 DEESDDETDGEDGEGGGPGEGQAPPSFPDCAAGFLTAAADSACEEPPAPTGLADYSGAGRDFLRAGSAE
 DVFPDSYVSTWHDGAVPEGCPTETPVQPDCLSGSRPPGVKTPGPPVALFPFHLGAPGPPAPPPSAPS
 GPAPAPPPAFYPTLQPEAAPSTQLGEVPAPSAAPTTAPSGTPARTPGAEPPTYECSHCRKTFSSRKNYTK
 HMF IHSGEKPHQCAVCWRSFSLRDYLLKHMVTHTGVRFAQCAVCAKRFTQKSSLNVHMRTHRPERAPCPA
 CGKVFSHRALLERHLAHPAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8113_a11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032792

ORF Size: 1533 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_032792.4](#)

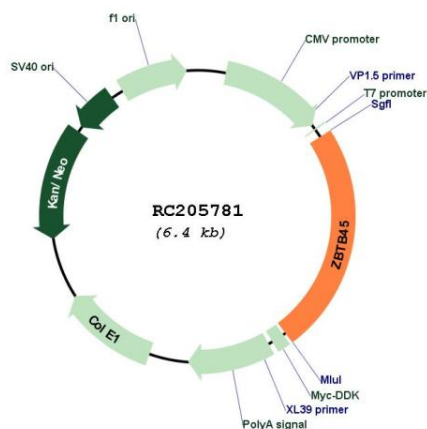
RefSeq Size: 2393 bp

RefSeq ORF: 1536 bp

Locus ID: 84878

UniProt ID:	<u>Q96K62</u>
Cytogenetics:	19q13.43
Protein Families:	Transcription Factors
MW:	53.8 kDa
Gene Summary:	May be involved in transcriptional regulation (Probable). In the central nervous system, may play a role in glial cell differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205781