

Product datasheet for **RG205781**

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:	TurboGFP
Symbol:	ZNF499
Synonyms:	ZNF499
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205781 representing NM_032792
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTGCAGAGGCTGTGCATCACATACACCTGCAGAACTTCTCACGCTCTCTGCTTGAGACCTCA
 ATGGGCAGAGGCTTGGGGGACACTTCTGTGACGTGACTGTGCGCATTTCGTGAAGCTTCGCTGCGTGCCCA
 CCGCTGCGTGCTGGCGGCCGGCTCACCTTCTTCCAAGACAAGCTGCTGCTCGGCCACTCTGAGATCCGT
 GTGCTCCGGTGGTGCCCGCGCAGACAGTGCACAGCTGGTAGAGTTCCTGTACAGCGGTTTCGTCGTTG
 TGGCGCAGGGTGAAGCCCTGCAGGTGCTCACGGCCGCTCAGTGTTCGCATACAGACAGTTATCGACGA
 ATGCACGCAGATTATCGCCCGCTCGAGCCCGGGCACCTCTGCGCCACGCCCTGCCACCCCTGTG
 CCCCCGCACTCGCACCTGCGCAGCTGCGTACCAGCTGCGCCACCTGCTGGCTGCACGTCCCCGGGGC
 ACCCCGGTGTGCACACAGCCGTAAGCAGCGCCAGCCCGCGCTTTCAGCTGCCAGCGCCCCAACACC
 TGCCAAGGCTGAGGGCCTGATGCTGACCCCTCACTGTCCGCGGCCCTGATGACCGAGGTGACGAGGAT
 GACGAGGAAAGTACGATGAGACCGATGGCGAGGATGGCGAAGGTGGCGGCCAGGCGAGGGCCAGGCAC
 CTCTTCTTCCAGACTGTGCTGCTGGCTTCTCACTGCTGCTGCTGACAGCGGTGCGAGGAGCCCC
 TGCACCCACTGGCCTCGCTGACTACAGTGGTGCCTGGGAGAGATTTTCTTCGGGGAGCTGGGTGAGCTGAG
 GACGTATTTCCAGACAGCTATGTATCCACTTGGCACGACGAGGATGGCGCTGTCCCCGAAGGCTGTCCCA
 CTGAGACCCCTGTCCAGCCGACTGCATACTGTCTGGATCCCGCCGCTGGTGTGAAGACCCAGGGCC
 GCCCGTTGCACTTCCCTTCACTTGGGTGCCCTGGGCCACCCGACACCCCTTCAGCACCATCG
 GGGCCAGCCCTGCGCCCCACCCGCTTCTACCCACACTCCAGCCGAGGCAGCCCCAGTACTCAGC
 TGGGGGAGTCCCGCTCCCTGCTGCTCCACCACGCCCCCTCAGGCACCCCTGCGCACCCAGG
 TGCTGAGCCACCTACGTATGAGTGCAGCACTGTCGCAAGACGTTTCAGCTCCCGAAAACTACACCAAG
 CACATGTTCACTCCACTCGGGGAGAAGCCGACCAAGTGCCTGTGCTGCGGATCCTTCTCTACGCG
 ACTACCTGCTCAAACACATGGTACGCACACCGGCGTGCAGCCTTCCAGTGCAGCGCTGCGCCAAGCG
 CTTACGCAGAAGAGCTCGCTCAACGTGCACATGCGCACTCACCGGCCGAGCGCGCCCTGCCCGCC
 TGCGGCAAGTCTTCTCGCACCGCGCTGCTGGAGCGCCACCTGGCGCGCACCTGCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205781 representing NM_032792
 Red=Cloning site Green=Tags(s)

MAAAEAVHHIHLQNFSRSLLETNLNGQLGGHFCDVTVRIEASLRAHRCVLAAGSPFFQDKLLLGHSEIR
 VPPVVPAQTVRQLVEFLYSGSLVVAQGEALQVLTAAASVLRITQVIDECTQIIARARAPGTSAPTPLPV
 PPPLAPQLRHRLRHLLAARPPGHPGAHRSRQRPARLQLPAPPTPAKAEKADPSLSAAPPDRGDED
 DEESDDETDGEDGEGGGPGEQAPPSPDCAAGFLTAAADSACEPPAPTGLADYSAGRDFLRGAGSAE
 DVFPDSYVSTWHDGAVPEGCPTEPTVPQDCILSGSRPPGVKTPGPPVALFPFHLGAPGPPAPPSAPS
 GPAPAPPAFYPTLQPEAAPSTQLGEVPAPSAPTTAPSGTPARTPGAEPPTYECSHCRKTFSSRKNYTK
 HMF IHSGEKPHQCAVCWRSFSLRDYLLKHMVHTGVRFAQCAVCAKRFTQKSSLNVHMRTHRPERAPCPA
 CGKVFSHRALLERHLAHPAP

TRTRPLE - GFP Tag - V

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.

RefSeq: [NM_032792.4](#)

RefSeq Size: 2393 bp

RefSeq ORF: 1536 bp

Locus ID: 84878

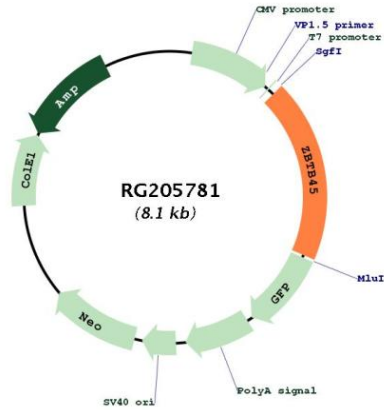
UniProt ID: [Q96K62](#)

Cytogenetics: 19q13.43

Protein Families: Transcription Factors

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 RG205781