

Product datasheet for **RG216217**

ZNF468 (NM_199132) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF468 (NM_199132) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF468
Synonyms:	DKFZp781B1474; DKFZp781N07108
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216217 representing NM_199132
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGTTGAAGACGTTGTCGTCAACAGGGCAAGGCAATACAGAAGTGATCCACACAGGGACATTGCACAGAC
 AAGCAAGTCATCATTGGAGAATTTTGTTCATGAAATTGAGAAAGACATTTCATGGCTTCGAGTTTCA
 GTGGAAAGAAGATGAAACAAATGGCCATGCAGCACCCATGACAGAAATCAAAGAGTTGGCTGGTAGTACA
 GGCCAACATGATCAAAGGCATGCTGAAACAAGCGTATTAAGATCAGCTTGGATCAAGCTTTCATTTGC
 ATCTGCCTGAACCGCACATATTTCACTCTGAAGGGAAAATTGGTAATCAAGTTGAGAAAGTCTATCAACAA
 TGCTTCCTCAGTTTCAACATCCCAAAGAATTTGTTGTAGGCCCAAACCCATATTTCTAATAAGTATGGA
 AATAATTCCTCCATTCTTCACTACTCACAAAAATGGGAAGTACACATGAGAGAAAAATCTTTGAAT
 GTATACAGAGCTTCAAATCCTTTAATTGCAGCTCACTCTTAAAAAACATCAGATAATTCACCTTAGAAGA
 GAAACAATGTAAATGTGATGTATGTGGCAAGGTCTTTAATCAGAAGCGATACCTTGCCTGCCATCGTAGA
 TGTCACTGTTGAGAAACCTTACAAGTGAATGAGTGTGGCAAGACCTTTGGTCATAATTCATCCCTCT
 TCATTCACAAAGCGCTTCATACTGGAGAGAAACCTTATGAATGTGAAGAATGTGACAAAGTTTTCAGTCG
 CAAATCACACCTTGAAAGACATAAGAGGATTCTACTGGAGAGAAACCATACAAATGTAAGGTTTGTGAT
 GAGGCTTTCGCATATAATTCATATCTGGCAAAACATACTATACTTCACACTGGAGAGAAACCTTACACAT
 GTAATGAATGTGGCAAAGTTTTAATCGACTATCAACCTTGCACGCCATCATAGACTTCATACTGGAGA
 GAAACCTTACAAATGTGAAGAGTGTGACAAAGTTTTAGTCGCAAATCACACCTTGAAAGACATAGGAGG
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 AAAGACACAGGAGGATTCATACTGGAGAGAAACCATACAAATGTAAGGTTTGTGACAAGGCTTTCCAGAG
 GGATTCACACCTGGCACAAACATCAGAGAGTTTCACTGGAGAGAAACCTTACAAGTGAATGAGTGTGGC
 AAGACCTTCGGTCAGACATCATCGCTTATAATCCATCGTAGGCTTCATACTGGAGAGAAACCTTACAAGT
 GTAATGAGTGTGGCAAGACCTTCAGTCAGATGTCATCCCTTGATACCATCATAGGCTTCATAGTGGAGA
 GAAGCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

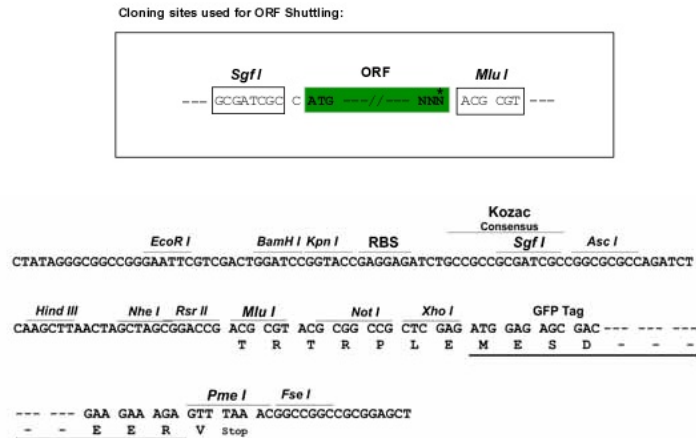
>RG216217 representing NM_199132
 Red=Cloning site Green=Tags(s)

MLKTLSSSTGQGNTVEIHTGTLHRQASHHIGFCFHEIEKDIHGFEFQWKEDETNGHAAPMTEIKELAGST
 GQHDQRHAGNKRKIDQLGSSFLHLPEPHIFQSEKIGNQVEKSINNASSVSTSQRICCRPKTHISNKYG
 NNSLHSSLLTQKWEVHMREKSFECIQSFKSFNCSSLLKKHQIHLLEEKQCKCDVCGKVFNQKRYLACHRR
 CHTGEKPYKCNECGKTFGHNSSLFIHKALHTGEKPYECECDKVFSRKSHLERHKRIHTGEKPYCKVCD
 EAFAYNSYLAKHTILHTGEKPYTCNECGKVFNRLSTLARHRLHTGEKPYKCEECDKVFSRKSHLERHRR
 IHSGEKPYKCEECCKVFSRKSNERHRRHTGEKPYCKVCDKAFQORDSHLAQHQRVHTGEKPYKCNECG
 KTFGQTSSLIIHRLHTGEKPYKCNECGKTFSQMSSLVYHRLHSGEK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_199132

ORF Size: 1407 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_199132.1](#), [NP_954583.1](#)

RefSeq Size: 4053 bp

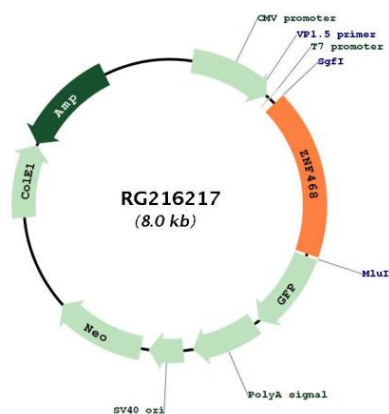
RefSeq ORF: 1409 bp

Locus ID: 90333

Cytogenetics: 19q13.41

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

Product images:



Circular map for RG216217