

Product datasheet for **RG207374**

ZNF48 (NM_152652) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF48 (NM_152652) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF48
Synonyms:	ZNF553
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207374 representing NM_152652
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGCGGTAGAGCCTTGGGGCCAGATATCCACCGCCGGAGGAGGGAGCCACAGAGAGCGG
 CCCGCACAGGTCTAGGGAGTGAGAACGTGATTTCTCAGCCGAATGAGTTTGAACATACCCACAGGAAGA
 TGACTTGGGGTTCAAGGAAGAAGATTTGGCTCCAGATCATGAAGTAGGAAATGTCTCTCAAACCTGAA
 GGCATCCAGAAGTGGGATGACTTATGGGTCCAGAGAGAGGGTCTAGGAAAGCCTCAGCCTCGGGACAGAG
 GCCCCCGCTCTGGGTGAACCACGCTGGGGCCAGGCTAGTAGTGATCGGGCCGCTGTGTGGTGGTGGT
 TGGCAAAGCTTCAGGCAGATGTCAGATCTGGTAAACACCAGCGGACCCACACAGGGGAGAAACCTCGC
 AAGTGTGGGTCTGTGGCAAGGGCTTTGGGGATAGCTCTGCCCGATCAAACACCAGCGGACTCATAGTG
 GGGAGAAGCCCTATAGAGCCCGCCACCAGCCAGGGTCCCCAAAGATTCCTCGGTCCCGGATCCCTGC
 TGGTGAGCGCCCACTATCTGTGGTGAATGTGGCAAGAGCTTCCGCGAGATTCTGACCTGGTGAACAC
 CAGCGGACACACTGGTGAAGCCCTACAAGTGTGGCATATGTGGCAAGGGCTTTGGCGACAGTCCG
 CCCGATCAAGCACCAGCGGACACACCGGGGGAGCAGCCCCCGACCAGTGGTCCCCGACGGCAGCC
 ATCTCGGGCAGCCACGGCAGCTACCCAGGGACCGAAGGCCAGGACAAGCCATATATCTGCACTGATTGC
 GGCAAGAGGTTTGTGCTCAGCTGCAGCCTCCTGAGTCACCAGCGTAGTCACTTGGGGCCCAAGCCCTTG
 GCTGTGATGTGTGGAAAGGAGTTTGCCTGGGGATCCGACCTGGTGAAGCACCTGCGGGTGACACGGG
 TGAGAAGCCCTACCTCTGCCAGAGTGGGCAAGGTTTCGCGGACAGCCCCCGGAGTCAAACACCTC
 CACACCCAGTGGCGAGAGGCCCATGCCTGCCGGAATGCGACCGTACCTTCAGCCTCAGCTCCACCC
 TTCTTCGCCACCGCTCACTCAGTGGAGCCCCAGGACTTCAGCTTCCAGGCTATCCCCTACCCGCTCT
 GATCCCCAGCCACCCACCTCCTCTGGGCACCGCCCGCTGACACCTCGAAGTCCCTCACACTCG
 GGTGAGCCTTTGGCCTGCCTGGCTTGGAGCCAGAGCCTGGGGGCCACAGGCTGGGGAGCCACCCCCAC
 CACTGGCGGGCGACAAGCCCCGCAAGTGCCTGAGTGTGGCAAGGGCTTCCGCCGAAGCTCTGACCTGGT
 GAAACACCATCGTGTGCACACAGGGGAGAAACCTACCTCTGTCTGAATGCGGCAAGGGTTTTGCTGAC
 AGCTCAGCCGAGTCAAGCACCTCCGCACCCACCGTGGTGAACGGGCCCGGCCACCACCACCATCCACTC
 TGCTGCGCCACATAACCCACCTGGCCAGTACCCATGGCCCTCGACCCGAGTTCGGGCCAGCCTTC
 TGGACCCAGCCAGCCCGTGTGTGGCTTCTGTGGGAAGGAGTCCCCCGGAGCTCAGATCTGGTCAA
 CACAGGCATACACACGGGGGAGAAGCCATACAAGTGTGCAGAGTGTGGCAAGGGTTTTGGTACAGTT
 CTGCCCGCATCAAGCACCAGCGTGGGCACCTGGTCTGACGCCCTTTGGGATAGGGGATGGTAGGGCAAG
 GCCCTCAAGCAGGAGGAGCAACAGGACTGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207374 representing NM_152652
 Red=Cloning site Green=Tags(s)

MERAVEPWGPDIDRPEEREPQRGARTGLGSENVISQPNFEHTPQEDDLGFKEEDLAPDHEVGNVSLKPE
 GIQNWDDLWVQREGLGKPQPRDRGPRLLGEPWQASSDRAAVCGEGKSFQMSDLVKHQRTHTGEKPC
 KCGVCGKFGDSSARIKHQRTHSGEKPYRARPPAQGPPKIPRSRIPAGERPTICGEGKSFQSSDLVKH
 QRTHHTGEKPYKCGICGKFGDSSARIKHQRTHRGEQPPRPVPRRQPSRAATAATQGPKAQDKPYICTDC
 GKRFLVSCSLLSHQSHLGPKEFGCDVCGKEFARGSDLVKHLRVHTGEKPYLCPECGKGFADSPARVKHL
 HTHSGERPHACPECDRTFSLSSTLLRHRLTHMEPQDFSPGYPLPALIPSPPPPPLGTSPPLTPRSPSHS
 GEPFGLPGLPEPGGPQAGEPPPPLAGDKPRKPECGKGFRRSSDLVKHHRVHTGEKPYLCPECGKGFAD
 SSARVKHLRTHRGERARPPPSTLLRPHNPPGVPMPAPRPRVRAQPSGSPQPHVCGFCGKEFPRSSDLVK
 HRHTHTGEKPYKCAECGKFGDSSARIKHQRGHLVLPFGIGDGRARPLKQEAATGLE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_152652

ORF Size: 1854 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_152652.1](#), [NP_689865.1](#)

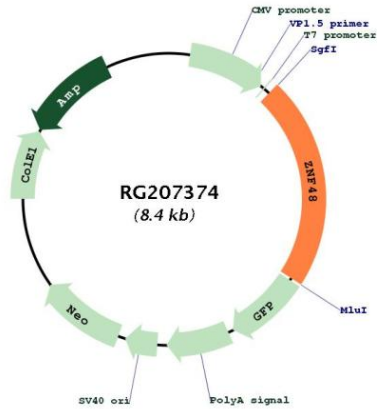
RefSeq Size: 3251 bp

RefSeq ORF: 1857 bp

Locus ID: 197407

UniProt ID: [Q96MX3](#)
 Cytogenetics: 16p11.2
 Domains: zf-C2H2
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207374