

Product datasheet for **RG234575**

ZNF48 (NM_001214906) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG234575 representing NM_001214906
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCGCGGTAGAGCCTTGGGGCCAGATCTCCACCGCCCGGAGGAGAGGGAGCCACAGAGAGCG
 CCCGCACAGGTCTAGGGAGTGAGAACGTGATTTCTCAGCCGAATGAGTTTGAACATACCCACAGGAAGA
 TGACTTGGGGTTCAAGGAAGAAGATTTGGCTCCAGATCATGAAGTAGGAAATGCCTCTCTCAAACCTGAA
 GGCATCCAGAACTGGGATGACTTATGGGTCCAGAGAGAGGGTCTAGGAAAGCCTCAGCCTCGGGACAGAG
 GCCCCCGGCTCCTGGGTGAACACGCTGGGGCCAGGCTAGTAGTGATCGGGCCGCTGTGTGTGGTGAGTG
 TGGCAAAAGCTTACGGCAGATGTCAGATCTGGTGAACACACAGCGGACCCACACAGGGGAGAAACCTAC
 AAGTGTGGGTCTGTGGCAAGGGCTTTGGGATAGCTCTGCCCGGATCAAACACACAGCGGACTCATAGTG
 GGGAGAAGCCCTATAGAGCCCGGCCACAGCCAGGGTCCCCAAAGATTCTCGGTCCCGGATCCCTGC
 TGGTGAGCGCCCACTATCTGTGGTGAATGTGGCAAGAGCTTCCGGCAGAGTTCTGACCTGGTGAACAC
 CAGCGGACACACTGGTGAGAAGCCCTACAAGTGTGGCATATGTGGCAAGGGCTTTGGCGACAGTTCG
 CCCGATCAAGCACCAGCGGACACACCGGGGGGAGCAGCCCCCGACCAAGTGGTGGCCGACGGCAGCC
 ATCTCGGGCAGCCACGGCAGCTACCCAGGGACCGAAGGCCAGGACAAGCCATATATCTGCACTGATTGC
 GGCAAGAGGTTTGTGCTCAGCTGCAGCCTCCTGAGTCAACAGCGTAGTCACTTGGGGCCCAAGCCCTTTG
 GCTGTGATGTGTGGAAAGGAGTTTGCCTGGGGATCCGACCTGGTGAAGCACCTGCGGGTGACACCGGG
 TGAGAAGCCCTACCTCTGCCAGAGTGCGGCAAGGTTTTCGCGGACAGCTCCGCGCGAGTCAAACACCTC
 CGCACCCACAGTGGCGAGAGGCCCCATGCCTGCCGGAATGCGACCGTACCTTCAGCCTCAGCTCCACCC
 TTCTTCGCCACCGCCTCACTCACATGGAGCCCCAGGACTTCAGCTTCCAGGCTATCCCTACCCGCTCT
 GATCCCCAGCCACCCACCTCCTCTGGGCACACGCCCCGCTGACACCTCGAAAGTCCCTCACACTCG
 GGTGAGCCTTTTGGCCTGCCTGGCTTGGAGCCAGAGCCTGGGGGCCACAGGCTGGGGAGCCACCCAC
 CACTGGCGGGGACAAGCCCCACAAGTGCCTGAGTGTGGCAAGGGCTTCCGCCAAGCTCTGACCTGGT
 GAAACACCATCGTGTGCACACAGGGGAGAAACCTACCTCTGTCTGAATGCGCAAGGGTTTGTCTGAC
 AGCTCAGCCCGAGTCAAGCACCTCCGCACCCACCGTGGTGAACGGGCCCGGCCACCAACCATCCACTC
 TGCTGCGGCGACATAACCCACCTGGCCAGTACCATGGCCCTCGACCCGAGTTCGGGCCAGCCTTC
 TGGACCCAGCCAGCCCCACGTGTGTGGCTTCTGTGGGAAGGAGTTCCTCCGGAGCTCAGATCTGGTCAA
 CACAGGCGTACACACAGGGGAGAGCCATACAAGTGTGCAGAGTGTGGCAAGGGTTTGGTGACAGTT
 CTGCCCGCATCAAGCACCAGCGTGGGCACCTGGTCTGACGCCCTTGGGATAGGGGATGGTAGGGCAAG
 GCCCTCAAGCAGGAGGAGCAACAGGACTGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234575 representing NM_001214906
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MERAVEPWPDLHRPEEREPRQRTGLGSENVISQPNFEHTPQEDDLGFKEEDLAPDHEVGNASLKPE
 GIQNWDDLWVQREGLGKPQPRDRGPRLLGEPRWGQASSDRAAVCGECGKSFRQMSDLVKHQRTHTGKPY
 KCGVCGKGFQDSSARIKHQRTHSGEKPYRARPPAQGPPIPRSRIPAGERPTICGECGKSFRQSSDLVKH
 QRTHTGKPYKCGICGKGFQDSSARIKHQRTHRGEQPPRPVPRRQPSRAATAATQGPKAQDKPYICTDC
 GKRFLVSCSLLSHQSHLGPFPFGCDVCGKEFARGSDLVKHLRVHTGKPYLCPECGKGFADSSARVKHL
 RTHSGERPHACPECDRTFSLSTLLRHRLTHMEPQDFSFPGYPLPALIPSPPPPLGTSPPLTPRSPSHS
 GEPFGLPGLPEPGGPQAGEPPPLAGDKPHKCECGKFRSSDLVKHHRVHTGKPYLCPECGKGFAD
 SSARVKHLRTHRGERARPPPTLLRPHNPPGPVPMAPRPRVRAQSPGPSQPHVCGFCGKEFPRSSDLVK
 HRRTHTGKPYKCAECGKGFQDSSARIKHQRTGHLVLPFGIGDGRARPLKQEAATGLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001214906

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:

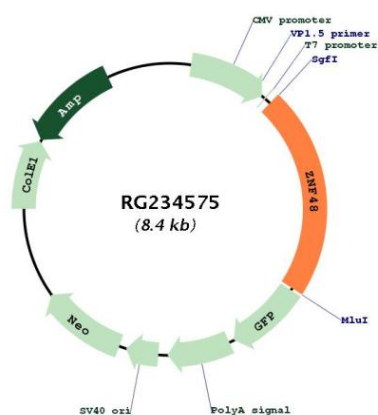
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001214906.1](#), [NP_001201835.1](#)

RefSeq Size:	2989 bp
RefSeq ORF:	1857 bp
Locus ID:	197407
UniProt ID:	Q96MX3
Cytogenetics:	16p11.2
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234575