

Product datasheet for **RG202794**

ZNF649 (NM_023074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF649 (NM_023074) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF649
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202794 representing NM_023074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAAAGGCCAGGAATCACTGACCCTGGAGGATGTGGCTGTGGACTTCACTGGGAGGAGTGGCAGT
 TCCTGAGCCCTGCTCAGAAGGACCTGTACCGGGATGTGATGTTGGAGAACTACAGCAACCTTGTGTCACT
 GGGGTATCAAGCCGCAACCTGATGCCCTCACCAAGTTGGAACAAGGAGAACCCTATGGACACTAGAA
 GATGAAATCCACAGTCCAGCCCACCCAGAAATTGAGAAAGCTGATGATCATCTGCAGCAGCCCTGCAAA
 ACCAAAAATACTGAAGAGGACGGGACAACGCTATGAACACGGAAGAAGTTTAAATCATATTTAGGTTT
 AACCAACCAGAGCAGAAGATAACAACAGAAAGGAGCCTGCTGAGTTTAAATGGAGATGGAGCTTTTCTCCAT
 GATAATCATGAACAAATGCCTACGGAAATTGAATTCCTGAAAGTAGAAAACCCATCAGCACCAAGTCAC
 AATTCCTTAAACATCAGCAAACACACAACATAGAGAAAGCCCATGAATGCACTGACTGTGGGAAAGCTTT
 CCTCAAGAAGTCTCAGCTCACTGAGCATAAGAGAATTCATACAGGAAAGAAACCCACGTGTGTAGCTTG
 TGTGGGAAAGCCTTCTACAAGAAGTACAGGCTCACTGAACACGAGAGAGCTCACAGAGGAGAGAAACCCC
 ACGGGTGTAGCTTGTGTGGGAAAGCCTTCTACAAGAGGTACAGGCTCACTGAACACGAGAGAGCTCACAA
 AGGAGAGAAACCATACGGGTGCAGTGAATGTGGGAAAGCCTTCCCCAGGAAATCTGAGCTTACTGAACAT
 CAAAGGATTCACACGGGAATTAAGCCCCATCAATGCAGCGAATGTGGGAGAGCTTTCTCCAGAAAATCAC
 TACTCGTTGTACATCAGCGAACTCATACAGGAGAGAAGCCTCATACATGCAGTGAATGTGGAAAAGGCTT
 CATTGAGAAGGCAATCTCAACATACATCAACGAACTCACACTGGAGAGAAAACCTTATGGATGCATTGAC
 TGTGGCAAGGCCCTCAGCCAGAAGTCTTGCCTTGTAGCACATCAGAGATATCATACAGGAAAGACTCCCT
 TTGTATGTCCTGAATGTGGGCAACCTGTTACAGAAGTCAGGACTCATTAGACATCAGAAAATTCATC
 AGGAGAGAAACCCATAAATGCAGTGACTGTGGGAAAGCCTTCTTACAAGACAATGCTCATTGTACAT
 CACAGAACTCACACGGGAGAGAGCCCTATGGCTGTGATGAGTGTGAGAAAGCTTACTTCTATATGTCTT
 GCCTTGTAAACATAAGAGAATACACTCAAGGGAGAAACGGGGGATTCAAGTGAAGGTGGAAAATCCTTC
 CACAGCAAGTCACAGCTTAAAGTCTAGTGAACATGTGCAGGGGAAAGCCTGTTAATATGGTAACTGTG
 GCAATGGTGGCAGGGCAGTGTGAGTTTGCCACATCCTGCATTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG202794 representing NM_023074
 Red=Cloning site Green=Tags(s)

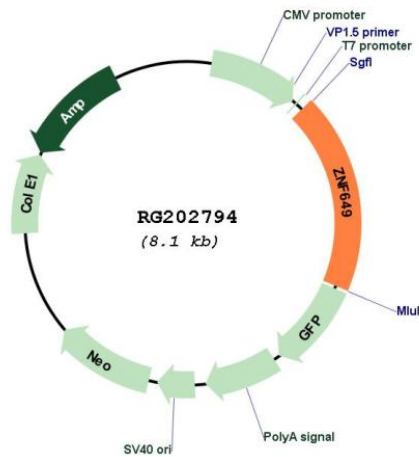
MTKAQESLTLEDVAVDFTWEWQFLSPAQKDLYRDVMLENYSNLVSVGYQAGKPDALTKLEQGEPLWTL
 DEIHSPAHEIEKADDHLQQPLQNKILKRTGQRYEHGRTLKSYLGLTNQSRRYNRKEPAEFNGDGAFLH
 DNHEQMPTEIEFPESRKPISTKSQFLKHQQTHNIEKAHECTDCGKAFLLKSQLTEHKRIHTGKKPHVCSL
 CGKAFYKRYRLTEHERAHRGKPHGCSLCKAFYKRYRLTEHERAHRGKPYGCSECGKAFPRKSELTEH
 QRIHTGIKPHQCSECGRAF SRKSLLVVHQRTHTGKPHTCSECGKFIQKGNLNIHQRTHTGKPYGCID
 CGKAFSFKSCLVAHQRYHTGKTPFVCEPCGQPCSQKSLIRHQKIHSGEKPYKCSDCGKAFLLKMLIVH
 HRHTHTGERPYGCDECEKAYFYMSCLVKHKRIHSREKRGDSVKVENPSTASHSLSPSEHVQKSPVNMVTV
 AMVAGQCEFAHILHS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_023074

ORF Size: 1515 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_023074.4](#)

RefSeq Size: 3176 bp

RefSeq ORF: 1518 bp

Locus ID: 65251

UniProt ID: [Q9BS31](#)

Cytogenetics: 19q13.41

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Transcriptional repressor. Regulator of transcriptional factor complexes and may suppress SRE and AP-1 transcription activities mediated by growth factor signaling pathways. [UniProtKB/Swiss-Prot Function]