

Product datasheet for **RG234464**

ZNF74 (NM_001256525) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF74 (NM_001256525) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF74
Synonyms:	COS52; hZNF7; ZFP520; ZNF520
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234464 representing NM_001256525
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGTTGGAGAACTACCAGAACCTTCTTGCCTAGGACCTCCACTGCACAAGCCAGATGTGATCTCTCATC
 TGGAAACGAGGCGAGGAGCCATGGAGCATGCAGAGGGAAGTCCCCAGAGGGCCCTGTCCAGAATGGGAGCT
 GAAGGCGGTGCCCTCTCAACAGCAGGGCATTGCAAAGAAGAACCAGGCCAGGAGCCCATCATGGAGCGG
 CCCCTCGGCGGGGCGCAGGCGTGGGGGCCAGGCAGGTGCTCTGCAGAGGAGTCAGGCTGCGCCCTGGG
 CGCCCGCACCTGCCATGGTCTGGGACGTCCCTGTAGAGGAATCCCCCTCAGGTGTCCTCTTCGCCCCA
 GCAACGCGTTCGAGGGGGGACCCTTGCTGGACACACGCAAGAAGCTCCAGGCCACTGAGGGCAGAACC
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 TCGCCCGCAGCGCGGGCGGGCGGGGAGGGCGAGTTCGTGTGCGGCGAGTCGGGAAGGCGTTCCG
 CCAGAGCTCCTCCCTACGCTGCACCGGCGCTGGCACAGCCGGGAGAAGGCTTACAAGTGCATGAATGC
 GGCAAGGCCTTCACTGGAGACCAACCTTCTGGAGCACCAGCGCATCCACACCGGCGAGAAGCCCTTCT
 TCTGCGGCGAGTCGGGAAGGCCTTCAGCTGCCACTCGTCCCTCAACGTGACACGCGCATCCACACGGG
 CGAGCGGCCCTACAAGTGCAGCGCTGCGAGAAGGCCTTCAGCTGCAGCTCGTGTCTCAGCATGCACCTG
 CGGGTGCACACCGGCGAGAAGCCCTACCGGTGCGGCGAGTGGCGCAAGGCCTTCAACACGCTACACACC
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 CTGCCACTCATCCCTACCGTGCATGAGAAGATCCACAGCGGGGACAAGCCGTTCAAGTGCAGCGACTGC
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 AGTGCGCCGACTGCGGGAAGGGCTTCACTGCCACGCGTACCTGCTGTCACCGGCGCATCCACAGCGG
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 CGCATCCACACAGGCGAGAAGCCCTTCAGCTGCAGCCAGTGTGGAAGGCCTTCAGCTGCCACTCGTCCC
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 CCAGAACCCTGTCTCATTAAACATCAGAAAATCCACTCCGGGGAGAAGTCGTTTAAAGTGTGAGAAATGT
 GGGGAGATGTTCAACTGGAGCTCGACCTCACTGAGCACCAGAGGCTGCACAGCGAGGGGAAGCCCTTGG
 CCATCCAGTTCAACAAACCTGCTCAGCACATACTACGTGCCTGGCAGCCTGCTGGGTGCAGGGGATGC
 TGGACTGAGGGACGTGGATCCCATCGACGCGCTGGATGTGGCAAAGCTCTTGTGCGTGGTCCCCCAGA
 GCTGGCAGGAATTCTCCCTGGGAGCAAACCTCGAAAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

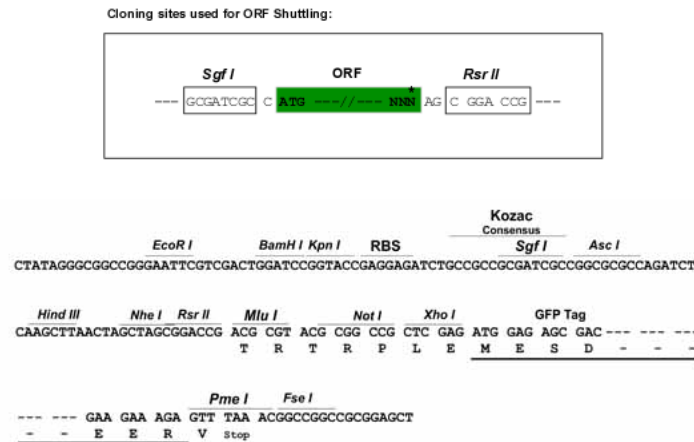
>RG234464 representing NM_001256525
 Red=Cloning site Green=Tags(s)

MLENYQNLLALGPPLHKPDVISHLERGEPEPWSMQREVPRGPCPEWELKAVPSQQQGICKEEPAQEPIMER
 PLGGAQAWGRQAGALQRSQAAPWAPAPAMVWDVPVEEFPLRCPLFAQQRVPEGGPLLDTRKNVQATEGRT
 KAPARLCAGENASTPSEPEKFPQVRRQRGAGAGEGEFVCGECGKAFRQSSSLTLHRRWHSREKAYKCDEC
 GKAFWTWNLLHRRHITGEKPFPCGECGKAFSCHSSLNVHQRIHTGERPYKCSACEKAFSCSSLLSMHL
 RVHTGEKPYRCGECGKAFNQRTHLTRHHRHITGEKPYQCGSCGKAFTHSSSLTVHEKIHSGDKPFKSCDC
 EKAFNSRSRLTLHQRTHTGEKPFKADCGKGF SCHAYLLVHRRHISGEKPFKNECGKAFSSHAYLIVHR
 RIHTGEKPFDCSQWKAFSCHSSLIVHQRIHTGEKPYKCECGRAFSQNHCLIKHQKIHSGEKSFKCEKC
 GEMFNWSSHLTEHQRLHSEGKPLAIQFNKHLSTYYVPGSLLGAGDAGLRDVPIDALDVAKLLCVVPPR
 AGRNFSLGSKPRN

SGP**TRTR**LE – GFP Tag – V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001256525

ORF Size: 1719 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_001256525.2](#)

RefSeq Size: 3626 bp

RefSeq ORF: 1722 bp

Locus ID: 7625

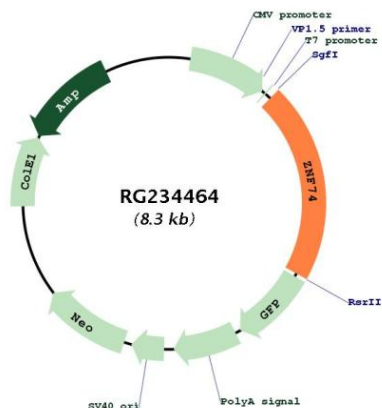
UniProt ID: [Q16587](#)

Cytogenetics: 22q11.21

Protein Families: Transcription Factors

Gene Summary: May play a role in RNA metabolism.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234464