

Product datasheet for **RG234644**

ZNF74 (NM_001256524) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG234644 representing NM_001256524
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGATCCCTGCCCCGAGCCCGAGAAGACAGCTCTTCTCTCAGGATCCTGCTCTTCCCTGAAAG
 AGAATCTCGAGGATATATCGGGTTGGGGTCTTCCCGAAGCCAGGTCCAAGGAATCGGTGAGTTTCAAGGA
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 AGAGCTGGCAGGAATTTCTCCTGGGAGCAAACCTCGAAAC

AGCGGACCGACGCGTACGCGCGCTCGAG - GFP Tag - GTTTAA

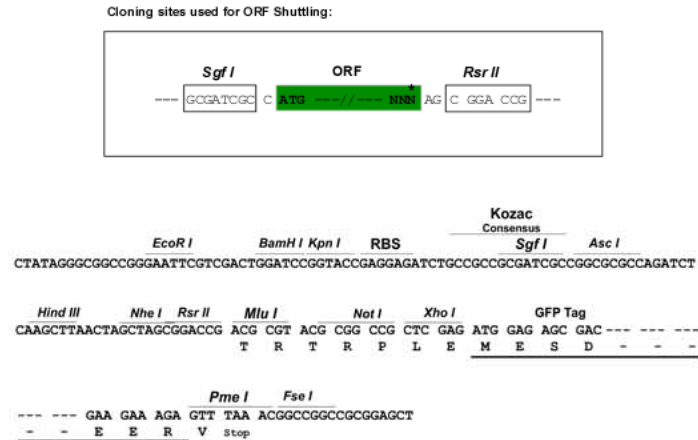
Protein Sequence: >RG234644 representing NM_001256524
 Red=Cloning site Green=Tags(s)

MEIPAPEPEKTALSSQDPALSLKENLEDISGWGLPEARSKEVSFKDVAVDFTQEEWGQLDSPQRALYRD
 VMLENYQNLALGPPLHKPDVISHLERGEPEWSMQREVPRGPCPEWELKAVPSQQQGICKEEPAQEPIE
 RPLGGAQAWGRQAGALQRSQAAPWAPAMVWDVPVEEFPLRCPLFAQQRVPEGGLDTRKNVQATEGR
 TKAPARLCAGENASTPSEPEKFPQVRRQRGAGAGEGEFVCGECGKAFRQSSSLTLHRRWHSREKAYKDE
 CGKAFTWSTNLLHRRHTGEKPFPCGECGKAFSCHSSLNVHQRIHTGERPYKCSACEKAFSCSSLLSMH
 LRVHTGEKPYRCGECGKAFNRTHLTRHHRIHTGEKPYQCGSCGKAFTCHSSLTVHEKIHSGDKPFKCS
 CEKAFNSRSLTLHQRTHTGEKPFKCADCGKGFCHAYLLVHRIHSGEKPFKNECGKAFSSHAYLIVH
 RRIHTGEKPFDCSQCWKAFSCHSSLIVHQRIHTGEKPYKCECGRAFSQNHCLIKHQKIHSGEKSFKCEK
 CGEMFNWSSHLTEHQLHSEGLPLAIQFNKHLSTYYVPSLLGAGDAGLRDVPIDALDVAKLKCVVPP
 RAGRNFSLSGSKPRN

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001256524

ORF Size: 1932 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:

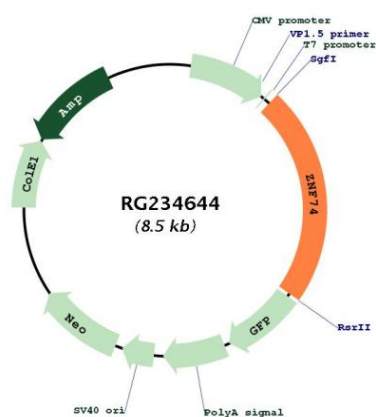
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001256524.1](#), [NP_001243453.1](#)

RefSeq Size:	3726 bp
RefSeq ORF:	1935 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 RG234644