

Product datasheet for **RG210673**

ZNF684 (NM_152373) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF684 (NM_152373) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF684
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210673 representing NM_152373 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCAGCTTCCAGGAATCAGTGACATTCAGGATGTGGCTGTGGATTTCACTGCAGAGGAGTGGCAGC
TGCTTGATTGTGCTGAGAGAACCCTGTATTGGGATGTGATGTTGGAGAACTATAGAAACCTCATCTCAGT
GGGATGTCCAATTACAAAACAAAAGTGATCCTCAAGGTAGAGCAAGGACAAGAGCCATGGATGGTGGAG
GGAGCGAATCCACACGAGAGCTCTCCAGAATCTGACTACCCACTTGTGATGAACCAGGGAAGCATCGGG
AAAGCAAAGACAATTTTTGAAGTCAGTTTTGCTCACATTCAATAAAAATCTGACTATGGAGAGAATCCA
CCATTATAATATGAGCACAAGTCTTAATCCAATGAGAAAAAATCATATAAATCGTTTGAGAAGTGTGTTG
CCACCTAATTTAGACTTACTTAAATATAATAGAAGTTATACTGTAGAAAACGCTTATGAATGCAAGTGAAT
GCGGGAAAGCCTTCAAAAAGAAGTTTCATTTTCATTAGACATGAAAAAATCATACAAGGAAAAACCTTT
TGAATGCAATGACTGTGGAAAAGCCTATAGCAGGAAGGCACACCTTGCAACTCATCAGAAAATTCATAAT
GGAGAGAGACCCTTTGTGTGCAATGATTGTGGGAAGCGTTTATGCATAAAGCCCAACTCGTGGTCCACC
AGAGACTTCACACTGGAGAGAAGCCTTATGAGTGCAGTCAATGTGGAAAACATTCACTTGGAACTCCTC
ATTTAATCAACACGTGAAATCTCATACACTTGAGAAGTCATTTGAATGTAAGGAATGTGGAAAACCTTC
AGGTATAGTTCATCCCTTATAAACATTCCAGATTTTCATACAGGAGAGAAACCCTACCAGTGTATCATAT
GTGGCAAAGCTTTTGGCAACACATCCGTGCTTGTACACACCAAAGAATTCATACAGGAGAGAAACCTTA
CAGTTGTATTGAATGTGGCAAAGCCTTCATCAAGAAGTCCCATCTCCTCAGACATCAGATAAECTCATACA
GGAGAGAAGCCCTATGAATGTAACAGATGTGGGAAGCATTTCACAGAAGTCAAATCTTATTGTACATC
AGAAAATTCATACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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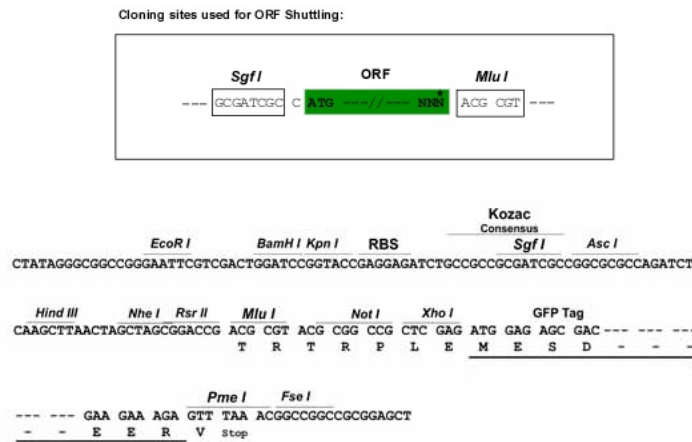
Protein Sequence: >RG210673 representing NM_152373
Red=Cloning site Green=Tags(s)

MISFQESVTFQDVAVDFTAEEWQLLDCAERTLYWDVMLENYRNLI SVGCPITKTKVILKVEQGQEPWMVE
GANPHESSPESDYPLVDEPGKHRESKDNFLKSVLLTFNKILTMERIHYYNMSTSLNPMRKKSYKSFEKCL
PPNLDLLKYNRSYTVENAYECSECGKAFKKKFHFIRHEKNHTRKKPFECNDCGKAYSRKAHLATHQKIHN
GERPFVCNDCGKAFMHKAQLVVHQRLHTGEKPYECSQCCKTFTWNSSFNQHVKSHTLEKSFECKEKGKTF
RYSSSLYKHSRFHTGEKPYQCIICGKAFGNTSVLVTHQRIHTGEKPYSCIECGKAFIKKSHLLRHQIHTHT
GEKPYECNRCGKAFSQKSNLIVHQIHT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152373

ORF Size: 1134 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_152373.4](#)

RefSeq Size: 2102 bp

RefSeq ORF: 1137 bp

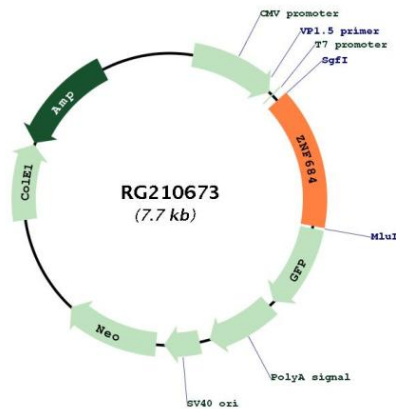
Locus ID: 127396

UniProt ID: [Q5T5D7](#)

Cytogenetics: 1p34.2

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210673