

Product datasheet for **RG233292**

ZNF664-RFLNA (NM_001204299) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF664-RFLNA (NM_001204299) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ZNF664-RFLNA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233292 representing NM_001204299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCCGGATGCTGCCAGTGTCTTTGGGAGAGCATCAAGGTGAACCCGGAACCCACGCATGAGA
TCCGCTGCAACTCTGAGGTCAAGTACGCCCTCGGAGAAGCATTTCCAGGACAAGGTCTTCTATGCGCCCGT
ACCCACCGTCACGGCCTACAGCGAGACCATCGTGGCAGCACCAACTGCACGTGGCGCAACTACCGCAGC
CAGCTGACCCTGGAGCCACGCCCGCGCCCTGCGCTTCCGCAGCACCACCATCATCTTCCCAAGCATG
CCAGGAGCACTTCCGGACCACCTGCACTGCAGCCTGGGCCGGCCAGCCGCTGGTTACCGCCAGCGT
GCAGCTGCAGCTTCCAGGACCCTGCCCCAGCCTCCTGGGCCCTGCCACGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233292 representing NM_001204299
Red=Cloning site Green=Tags(s)

MRPRMLPVFFGESIKVNPEPTHEIRCNSEVKYASEKHFQDKVYAPVPTVTAYSETIVAAPNCTWRNYRS
QLTLEPRPRALRFRSTTIIFPKHARSTFRITLHCSLGRPSRWFTASVQLQLCQDPAPSLGATL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001204299

ORF Size: 405 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_001204299.3](#)

RefSeq Size: 2413 bp

RefSeq ORF: 408 bp

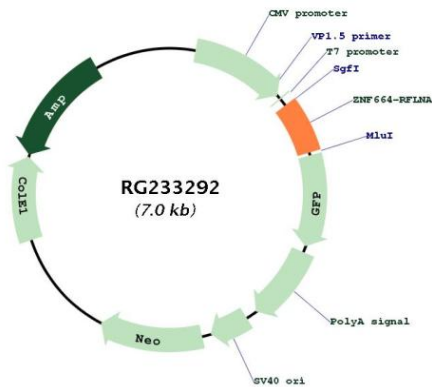
Locus ID: 100533183

UniProt ID: [Q6ZTI6](#)

Cytogenetics: 12q24.31

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring zinc finger protein 664 (Gene ID: 144348) and refilin A (Gene ID: 144347) genes on chromosome 12. The read-through transcript produces a protein that shares sequence identity with the downstream refilin A gene product. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RG233292