

Product datasheet for **RG222255**

ZNF474 (NM_207317) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF474 (NM_207317) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ZNF474
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG222255 representing NM_207317
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAGAGGAAAGAAGAAAAGAATTTCCAATAAGTTACAACAACTTTTCACCATTCTAAAGAACCCA
CTTTCCTTATCAACCAAGCTGGGCTTCTCTCTAGTGACTCCTATTCTAGCCTTTCCCCAGAAACAGAGAG
TGTTAATCCTGGTGAAAATATAAAGACAGACACTCAGAAAAAGAGACCTGGGACTGTGATACTATCAAAA
CTGTCAAGTAGAAGAATTATATCGGAAAGCCAGCTTAGCCCCCTGTGATCCCGGCCCGCAGGCCCTGGAT
TCCGGGTATGCTATATCTGTGGCCGAGAATTTGGGTCCAGTCAATTGCCATTGATGAACCCAGTGCTT
GCAGAAGTGGCATATTGAAAACAGCAAGTTGCCAAGCATTTGAGGAGGCCAGAACCCTCCAAACCACAG
TCTCTCAGCAGCAGTGGGTCTACAGTCTTACGGCAACTAACGAGGCTGCATTTACAGAGTCCCGAGGCTC
AGCTGCTGCCCTGTGAATCCTGTGGCCGCACATTTCTGCCAGATCATCTTCTTGTTCATCACAGAAGCTG
CAAGCCAAAGGGTGAGGGTCCCAGAGCACCACACTCAAACAGTTCTGATCATCTTACTGGCCTCAAGAAA
GCTTGTAGTGGAACCCAGCCGACCAAGGACTGTTATCTGCTACATATGTGTAAGGAATTTGGCACCC
TGTCCTTCTCATGAGCCCAATGCCTGGAAAAGTGAAAATGAAAATGACCGGCTCCCTGTGGA
GCTCCACCAGCCACTCCACAGAAGCCTCAGCCCCTCCGAATGCACAGTCCAGCCAAGCGGGACCAAAAT
CAAGCTCAGCTTGTGTTCTGCCACATTGTAGCCGAATCTTACCTCAGACCGCCTCCTGGTACACCAGA
GAAGTTGTAAAACATCCTTATGGGCCAAAATATCAGAATTTGAATTTAGGGAGTAAAGGAGGCCCTAAA
AGAGTACACTAATTCCAAGCAGCAAAGGAACAGGGCAGCACCCAGTGAAGTAAAGTAAATTCATGCC
ACACAAGACGCATTAGGTGAACCTGGTGGTGCCTCTGCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG222255 representing NM_207317
 Red=Cloning site Green=Tags(s)

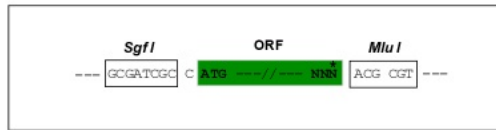
MERGKKKRISNKLQQTFHHSKEPTFLINQAGLLSSDSYSSLSPETESVNPGENIKTDTQKKRPGTVILSK
 LSSRRIISESQLSPPVIPARRPGFRVCYICGREFGSQSIATHEPQCLQKWHIENSKLPKHLRRPEPSKPQ
 SLSSSSGSYSLQATNEAAFQSAQAQLLPCESECGRTFLPDHLLVHHRSCPKGEGPRAPHSNSDHLTGLKK
 ACSGTPARPRTVICYICGKEFGTLLSLPIHEPKCLEKWKMEMDRLPVELHQPLPQKPOPLPNAQSSQAGPN
 QAQLVFCPHCSRIFTSDRLLVHQRSCKTHPYGPKYQNLNLGSKGGLKEYTNSKQQRNRAAPSVTDKVIHA
 TQDALGEPGGALCL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_207317

ORF Size: 1092 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_207317.3](#)

RefSeq Size: 1972 bp

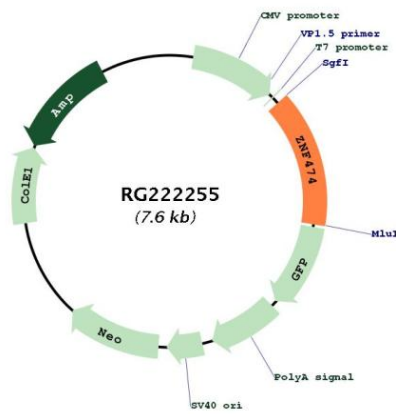
RefSeq ORF: 1095 bp

Locus ID: 133923

UniProt ID: [Q6S9Z5](#)

Cytogenetics: 5q23.2

Product images:



Circular map for RG222255