

Product datasheet for **RG227638**

ZNF534 (NM_001143939) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ZNF534 (NM_001143939) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | ZNF534 |
| Synonyms: | KRBO3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide
Sequence:

>RG227638 ORF sequence, **codon optimized**.
Due to the complexity of NM_001143939, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTCACGCAAGGCCAGTTGTCCTTCTCCGATGTCGCCATCGAGTCTCACAGGAGGAATGGAAGT
GTTTGGATCCCGGCAGAAAGCCCTTTATCGGGACGTTATGCTCGAAAACACCGAACCTCGTGAGCCT
GGGGGAGGACAACGTACGGCCGAGGCCTGCATTTGTTCCGGCATCTGCCTCCCCGACTTGTCTGTGACA
AGCATGCTGGAGCAGAAACGCGACCCTTGACCCTGCAGTCTGAGGTCAAGATTATTAACAATCCTGATG
GTCGGGAATGCATCAAAGGAGTCAATACGAAAAGTCTAGCAAACCTGGGTCTTACGCTGGAAATAAATC
CCTGAAAATCAGCACGGTTTGACCTTGACGCTGCACCTGACGGAGTGGCAACCATTTACAGCGGTTTCGG
AACATCTACGGTTGCAAACATGTGGAGAAGTCAATCAGTGACAACCTATCCGTGTCTCCTGTGCAGATTA
GCTTTTTTAGTGTGAAAACCTCACATCTTCAATAACTACAGGAACGACTTCTCTTACGTACCCTCCTGCC
ACAGGAGCAGAAAGTGCACATCCGCGAGAAACCTTACGGCTGTAAACGAGCATGGCAAGGTATTCGGGTG
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AAATTTTCAGCAGTAACCTCAATTTTCCCAGCACCAGAGGATCCATACGGGCGAGAAACCTTACAAGTA
CAACGAGTGTGGCAAGGTGTTAATCAAAATTCACATCTGGCTCAGCATCAAAAGATTATACAGGCCAG
AAGCCTTATAATAACAAAGAATGTGGCAAGGTCTTCTCCACCACGCTATCTGGCACAACACCGGAAGA
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AAATCCAGCCTGACAACCTCATCAGACGGTGCATACTGGCGAAAGACCCTACAAATGCAACGAATGTGGTA
AAGGCTTCTCCAGAATTGCATTTCTTCCCGCCACCGAAAAGTTCACACTGGTGAGAAGCCATATAAATG
TAACGAATGCGGCAAAGTCTTTATAGGAAATAGCCGACTGGCCAGACACCGAAAGATACATACAGGAGGT
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TCCACACCGGTGAAAACCGTATGAGTGTATAGATTGTGGAAAGTATTCAGACACAATCATCTCTGAC
CTACCATTGCAGGATTCACACCGGGGAGAAGCCTTATAAGTGTAAACGAATGCGGGAAAGTATTTAGCCAG
AACAGCAACCTTCAGCGGCACCGGAAAATCCACACCGGTGAAAAACTCTATAAGTGAACGAATGCGGGGA
AGGTGTTCCGGCAGAACAGCCATCTGGCCAACACAGAGACATTCACTGGCGAAAAGCCCTATAGCTG
CAACGAATGCGGGAAGGTCTTCCGGAGGAATAGTCACTTGGTGCACACAGGAACGTCCATACCGGGGAA
AAACCCTATTCTGCAACGAATGCGGTAAAGGTGTTCTCCCGCAACAGCCATCTCGCCAGACACCGCAATA
TCCACACCGGCGAAAACCTCATTCTGTAAACGAGTGTGGCAAAGTATTTAGCAGGAATAGCCACCTGGC
TAGACATCGCAAGATTCATACTGGAGAGAAGCTCTACAAATGCAACGAGTGTCAAAAGTCTTTAGTCGC
AACTCACGCTGGCTCAGCACAGAAACATCCACACGGGGTGAAGCCTTATAGCTGTAACGAGTGGGGGA
AGGTATTCTCAAGAATTCCATCTTGTGCAACACTGTAGCATTACATACAGAGAGAAACCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG227638 representing NM_001143939
 Red=Cloning site Green=Tags(s)

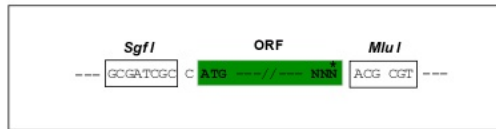
MALTQQLSFSOVAIEFSQEEWKCLDPGQKALYRDVMLENYRNLVSLGEDNVRPEACICSGICLPDLSVT
 SMLEQKRDPWTLQSEVKIINPDGREGIKGVNTEKSSKLGSSAGNKS LKNQHGLTLQLHLTEWQPFQAVR
 NIYGCKHVEKSIDNSSVSPVQISFFSVKTHIFNRYRNDFLFSTLLPQEQQVHIKREKPYGCNEHGKVFVRV
 SSSLTNRQVIHIADKTYKCSDCGEIFSSNSNFAQHQR IHTGEKPYKYNECGKVFNQNSHLAQHQKIHTGQ
 KPYNKKECGKVF SHHAYLAQHRKIHTGEKPYKCECGKAFSVCSLTAHLVIHTGEKPYDCKE CGKVFVRH
 KSSLTTHQTVHTGERPYKCNECGKGF SRIAFLARHRKVHTGEKPYKCNECGKVFIGNSRLARHRKIHTGG
 RRYKCNECGKAFRTCSDLTAHLLIHTGEKPYECIDCGKVF RHKSSLTYHCRIHTGEKPYKCNECGKVF SQ
 NSNLQRHRKIHTGEKLYKCNECGKVF RQNSHLAQHRDIHTGEKPYSCNECGKVFRRNSHLVRHRNVHTGE
 KPYSNECGKVF SRNSHLARHRNIHTGEKPHSCNECGKVF SRNSHLARHRKIHTGEKLYKCNECSKVF SR
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TRTRPLE - GFP Tag - V

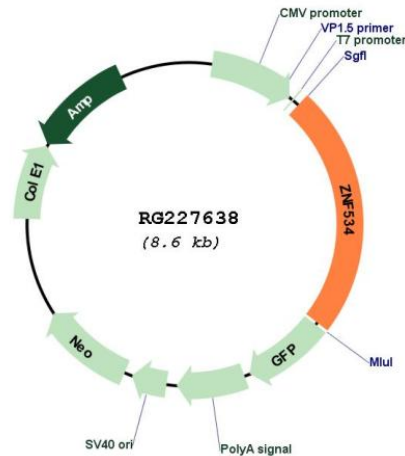
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001143939

ORF Size: 2022 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_001143939.1](#), [NP_001137411.1](#)

RefSeq Size: 5425 bp

RefSeq ORF: 2025 bp

Locus ID: 147658

UniProt ID: [Q76KX8](#)
Cytogenetics: 19q13.41
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]