

Product datasheet for **RC227638**

ZNF534 (NM_001143939) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF534 (NM_001143939) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF534
Synonyms:	KRBO3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227638 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**

ATGGCTCTCACGCAAGGCCAGTTGTCCTTCTCCGATGTCGCCATCGAGTTCTCACAGGAGGAATGGAAGT
 GTTTGGATCCCGGCAGAAAGCCCTTTATCGGGACGTTATGCTCGAAAACACCGAACCTCGTGAGCCT
 GGGGGAGGACAACGTACGGCCGAGGCCTGCATTTGTTCCGGCATCTGCCTCCCCGACTTGTCTGTGACA
 AGCATGCTGGAGCAGAAACGCGACCCTTGACCCTGCAGTCTGAGGTCAAGATTATTAACAATCCTGATG
 GTCGGGAATGCATCAAAGGAGTCAATACGAAAAGTCTAGCAAACCTGGGTCTTACGCTGGAAAATAATC
 CCTGAAAATCAGCACGGTTTGACCTTGACGCTGCACCTGACGGAGTGGCAACCATTTACAGCGGTTTCGG
 AACATCTACGGTTGCAAACATGTGGAGAAGTCAATCAGTGACAACCTATCCGTGTCTCCTGTGCAGATTA
 GCTTTTTTAGTGTGAAAACCTCACATCTTCAATAACTACAGGAACGACTTCTCTTACGTACCCTCCTGCC
 ACAGGAGCAGAAAGTGCACATCCGCGAGAAACCTTACGGCTGTAACGAGCATGGCAAGGTATTCGGGTG
 AGCTCTTCCCTCACAACCGGCAAGTTATCCACATCGCCGACAAGACCTATAAGTGTTCAGACTGCGGGG
 AAATTTTCAGCAGTAACCCAATTTTCCAGCACCAGAGGATCCATACGGGCGAGAAACCTTACAAGTA
 CAACGAGTGTGGCAAGGTGTTAATCAAATTCACATCTGGCTCAGCATCAAAGATTATACAGGCCAG
 AAGCCTTATAATAACAAAGAATGTGGCAAGGTCTTCTCCACCACGCTATCTGGCACAACACCGGAAGA
 TACATACAGGCGAGAAACCTTACAAGTGTCCGAATGTGGCAAGGCTTTTTCTGTGTGCTCATATTGAC
 CGCCCATTTGTGATTACACCCGAGAAAAGCCCTATGATTGCAAAGAGTGGGAAAAGTGTGTTAGGCAC
 AAATCCAGCCTGACAACCTCATCAGACGGTGCATACTGGCGAAAGACCCTACAAATGCAACGAATGTGGTA
 AAGGCTTCTCCAGAATTGCATTTCTTCCCGCCACCGAAAAGTTCACACTGGTGAGAAGCCATATAAATG
 TAACGAATGCGGCAAAGTCTTTATAGGAAATAGCCGACTGGCCAGACACCGAAAGATACATACAGGAGGT
 AGAAGGTACAAATGTAAAGTGTGGCAAGGCCTTTAGAAGTGCAGCGACCTCACTGCTCATCTCCTGA
 TCCACACCGGTGAAAACCGTATGAGTGTATAGATTGTGGAAAGGTATTCAGACACAATCATCTCTGAC
 CTACCATTGCAGGATTCACACCGGGGAGAAGCCTTATAAGTGTAAAGTGTGCGGAAAAGTATTTAGCCAG
 AACAGCAACCTTCAGCGGCACCGAAAATCCACACCGGTGAAAACCTCTATAAGTGAACGAATGCGGGA
 AGGTGTTCCGGCAGAACAGCCATCTGGCCAACACAGAGACATTCACTGGCGAAAAGCCCTATAGCTG
 CAACGAATGCGGGAAGGTCTTCCGGAGGAATAGTCACTTGGTGCACACAGGAACGTCCATACCGGGGA
 AAACCCTATTCTGCAACGAATGCGGTAAAGGTGTTCTCCCGCAACAGCCATCTCGCCAGACACCGCAATA
 TCCACACCGGCGAAAACCTCATTCTGTAAAGTGTGGCAAAGTATTTAGCAGGAATAGCCACCTGGC
 TAGACATCGCAAGATTCATACTGGAGAGAAGCTCTACAAATGCAACGAGTGTCAAAGTCTTTAGTCGC
 AACTCACGCCTGGCTCAGCACAGAAACATCCACACGGGGTGAAGCCTTATAGCTGTAACGAGTGGGGA
 AGGTATTCTCAAGAATTCCATCCTTGTGCAACACTGTAGCATTACATACAGAGAGAAACCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC227638 representing NM_001143939
Red=Cloning site Green=Tags(s)

MALTQQQLSFSDAIEFSQEEWKCLDPGQKALYRDVMLENYRNLVSLGEDNVRPEACICSGICLPDLSVT
 SMLEQKRDPWTLQSEVKIINPDGREGICKVNTTEKSSKLGSSAGNKS LKNQHGLTLQLHLTEWQPFQAVR
 NIYGCKHVEKSIDNSSVSPVQISFFSVKTHIFNRYRNDFLFSTLLPQEQQVHIREEKPYGCNEHGKVFVRV
 SSSLTNRQVIHIADKTYKCSDCGEIFSSNSNFAQHQR IHTGEKPYKYNECGKVFVNQNSHLAQHQKIHTGQ
 KPYNNKECGKVF SHHAYLAQHRKIHTGEKPYKCEGKAFSVCSLTAHLVIHTGEKPYDCKE CGKVFVRH
 KSSLTTHQTVHTGERPYKCNECGKGF SRIAFLARHRKVHTGEKPYKCNECGKVFIGNSRLARHRKIHTGG
 RRYKCNECGKAFRTCSDLTAHLLIHTGEKPYECIDCGKVF RHKSSLTYHCR IHTGEKPYKCNECGKVF SQ
 NSNLQRHRKIHTGEKLYKCNECGKVF RQNSHLAQHRDIHTGEKPYSCNECGKVFRRNSHLVRHRNVHTGE
 KPYSCNECGKVF SRNSHLARHRNIHTGEKPHSCNECGKVF SRNSHLARHRKIHTGEKLYKCNECSKVF SR
 NSRLAQHRNIHTGVKPYSCNECGKVF SKNSILVQHCSIHTREKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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

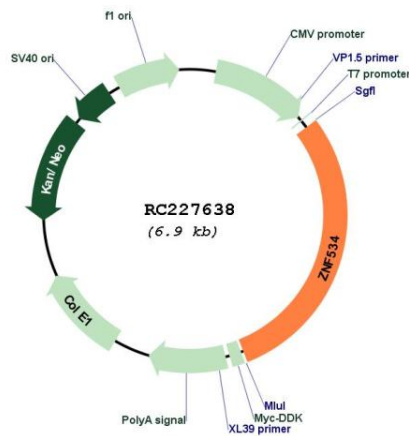
UniProt ID: [Q76KX8](#)

Cytogenetics: 19q13.41

MW: 77.2 kDa

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

Product images:



Circular map for RC227638