

Product datasheet for **RG238234**

ZNF2 (NM_001291605) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF2 (NM_001291605) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF2
Synonyms:	A1-5; Zfp661; ZNF661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238234 representing NM_001291605. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCTGTGTCTCCGACCACAGATGCCAGGAATCAGTGACATTCGAAGACGTTGCCGTGGTTTTTC
ACAGATGAAGAGTGGAGTCGTCTGGTCCCCATACAGAGGGACCTCTACAAGGAGGTGATGCTGGAGAAC
TATAACAGCATTGTGTCATTGGGCCTTCCAGTTCCTCAACCTGATGTGATTTTCCAATTGAAGAGAGGG
GACAAGCCGTGGATGGTAGATCTTCATGGGTCTGAGGAGAGAGAATGGCCAGAGAGTGTCTCTAGCC
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GAAGTTCATACACCCAATGGCAGGATGGGAACAGAAAAGCAAAGCCCTCAGGGGAGACTCGTAAGAAA
TCCCTCTCCCGGGACAAAGGCTTGCGGGCAGCGTCAGCCCTGTCCAGGAAATTCCTACTAAGAGAGA
CACCAGGAATGCAGTGACTGTGGGAAGACCTTTTTTGACCACTCATCCCTCACCCGCCATCAGAGGACT
CACACTGGGGAGAAGCCCTACGACTGCCGCGAGTGTGGGAAAGCCTTCAGCCACAGGAGCAGCCTCAGC
AGACATCTGATGTACACACTGGGGAGAGCCCTACGAGTGCAGTGTGTGCTCAAAGCCTTCTTTGAC
CGTTTCGTCCTAACTGTCCATCAGCGAATTCACACTGGAGAGAAACCTTTCAGTGAACGAGTGTGGA
AAAGCCTTTTTGACCGTTCATCCCTTACTCGACACCAGAGAATTCACACTGGAGAAAGTCCTTATGAA
TGTCATCAGTGTGGGAAAGCCTTAGCCAGAAAAGTATTCTTACTCGCCATCAGTAATCCACATGGC
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AAAGCTCATGCTGGGACCCCTCGCTATCAGTGTAAACGAGTGTGGCAAAGCTTTCTTTGACCGCTCATCC
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AGCCAGCGGTGCCGGCTCAGCGGCATCAGCGTGTCCACAGGGAGAGAAGCCCTTTGAATGCATGTG
TGTGGGAAAGTTTTAGTTCAAATCTTCTGTTATTCAACATCAACGGCGTTACGCCAAACAGGGAATA
GAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238234
 Blue=ORF Red=Cloning site Green=Tag(s)

MAAVSPTRRCQESVTFEDVAVVFTDEEWSRLVPIQRDL YKEVMLENYSIVSLGLPVPQPDVIFQLKRG
 DKPMMVDLHGSEERWPEVSLSLAQEKNCICFLVPDWE TKPEIHDASDKKSEGLRECLGRQSPLCPKF
 EVHTPNGRMGTEKQSPSGETRKKSLSRDKGLRRRSALSREILTKERHQECSDCGKTFDDHSSLTRHQRT
 HTGEKPYDCRECGKAFSHRSSLSRHLMSHTGESPYECSVCSKAFFDRSSLTVHQRIHTGEKPFQCNECG
 KAFFDRSSLTRHQRIHTGESPYECHQCGKAFS QKSILTRHQLIHTGRKPYECNECGKAFYGVSSLRHQ
 KAHAGDPRYQCNECGKAFFDRSSLTQH QKIHTGDKPYECSECGKAFSQRCLTRHQRVHTGEKPFECTV
 CGKVFSSKSSVIQHQRRYAKQGID
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291605

ORF Size: 1314 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).

RefSeq: [NM_001291605.2](#)

RefSeq Size: 4019 bp

RefSeq ORF: 1317 bp

Locus ID: 7549

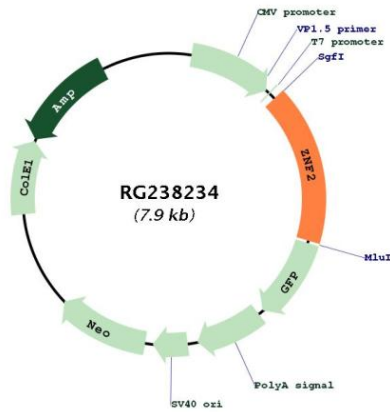
Cytogenetics: 2q11.1

Protein Families: Transcription Factors

MW: 50.7 kDa

Gene Summary: The protein encoded by this gene belongs to the C2H2-type zinc-finger protein family. The exact function of this gene is not known, however, zinc-finger proteins are known to interact with DNA and function as transcription regulators. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RG238234