

Product datasheet for **RG222350**

ZNF540 (NM_152606) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF540 (NM_152606) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF540
Synonyms:	Nbla10512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222350 representing NM_152606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCATGCATTGGTGACGTTACGGGATGTGGCTATAGACTTCTCTCAGAAGGAATGGGAGTGCCTGG
 AACTACCCAGAGGAAATTGTACAGAGATGTGATGTTGGAGAATTATAATAACTTGGTCTCACTGGGATA
 TTCTGGCTCAAAGCCAGATGTGATTACCTTACTGGAGCAAGGAAAGAGCCCTGCGTGGTGGCGAGGGAT
 GTGACAGGAAGACAGTGCCTCGTTTGTATCCAGGCATAAGACCAAGAAATTATCTTCAGAAAAGGACA
 TTCATGAAATCAGTTTATCCAAAGAGAGTATAATAGAAAAAGTAAACTCTTCGCTGAAAGGATCCAT
 TTTTAGAAATGAGTGGCAGAACAAAAGTGAGTTTGAGGGTCAACAGGGACTTAAAGAAAGATCTATCAGT
 CAAAAGAAAATCGTCTCTAAAAAATGTCAACTGATAGAAAACGTCCCTCTTTACTCTGAATCAGAGAA
 TTCACAATAGTGAGAAAAGCTGTGACTCACACTGGTTCAACATGGGAAAATAGATTCTGATGTGAAACA
 TGATTGTAAGAAATGTGGGAGTACTTTTAAATAATGTCTATCAGCTTACTCTCCATCAGAAAATTCATACT
 GGTGAAAATCCTGTAATGTGAGAAAATGTGGGAAAGTTTTTAGTCATAGCTATCAACTACTCTGCATC
 AGAGATTTCACTGGTGAAGAACCTATGAATGTCAAGAATGTGGGAAGACCTTACTCTTTACCCACA
 ACTTAATCGCATCAGAAAATTCACACTGGTAAAAACCTATATGTGTAAGAAATGTGATAAGGGTTTT
 TTTAGTAGATTAGAACTTACTCAACATAAAGAATTCATACTGGTAAGAAATCTTATGAATGTAAGAAAT
 GTGGAAAAGTTTTCACTTATTTTCTACTTTAAAGAACATGAGAGAATTCATACAGGTAAGAAACCTA
 TGAATGTAAGGAGTGTGGGAAAGCTTTTAGTGTATCGGCAACTTACCCGTCATCAGAAAATTCATACT
 GGTGTAAGAACCTACGAATGTAAGGAATGTGGAAAGACCTTTAGACTTAGTTTTTACCTTACTGAACACA
 GAAGAACTCATGCAGGTAAAGAACCTTATGAATGTAAGGAGTGTGGGAAATCATTAAATGTGCGTGGACA
 GCTTAATCGGCATAAAACAATCCATACTGGTATAAAACCTTTTGCATGTAAAGGTGTGAGAAGGCTTTT
 AGTTATAGTGGTACCTCAGAGTACATTCTAGAATTCATACTGGAGAGAAACCATATGAATGTAAGGAAT
 GCGGAAAAGCCTTTATGCTTCGTTACGTCCTTACTGAACATCAGAGACTTCATACTGGTGTGAAGCCCTA
 CGAATGTAAGGAATGTGGGAAGACCTTTGAGTTCGTTCTCAAATTAGTCTACATAAGAAAATTCATACT
 GATGTGAAGCCCTACAAATGTGTACGATGTGGGAAGACCTTTAGATTTGGTTTCTACCTTACTGAACACC
 AGAGAATTCACACTGGTAAAAGCCCTATAAATGTAAGAAATGTGGAAAGCCTTTATTCGTAGAGGGAA
 TCTTAAAGAACATCTGAAAATTCATTCTGGTTTAAACCCATGACTGTAAGAAATGTGGGAAGTCTTTT
 AGTCGGCGTGGCAGTTCCTGAAATCAGAAAATTCATACGGGTGTAAGAACCATACAAATGTAAGAAAT
 GTGGGAAGGCCTTTAGTCGTAGTGTAGACCTTAGAATACATCAAAGAATTCATACTGGTGAAGAACCTA
 TGAGTGTAAACAATGTGGGAAGGCCTTTAGACTTAATTCACACCTTACTGAACATCAGAGAATTCACACT
 GGTGAGAAACCTATGAGTGTAAAGGTATGTAGAAAGGCCTTTAGACAATATTCACATCTTTATCAACATC
 AGAAAACCTATAATGTAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222350 representing NM_152606
Red=Cloning site Green=Tags(s)

MAHALVTFRDVAIDFSQKEWECLDTTQRKLYRDVMLENYNNLVSLGYSKSPDVIITLLEQGKEPCVVARD
 VTGRQCPGLLSRHKTKKLSSEKDIHEISLSKESIIEKSKTLRLKGSIFRNEWQNKSEFEGQQGLKERSIS
 QKKIVSKKMSTDRKRPSFTLNQRIHNSEKSCDShLVQHGGIDSDVKHDCKEKGSTFNNVYQLTLHQKIHT
 GEKSCKCEKCGKVFSHSYQLTLHQRFHTEKPYECQECGKTFTLYPQLNRHQKIHTGKKPYECKEKGAFSVCGQLTRHQKIHT
 FSRLLELTQHKRIHTGKKSYECKEKGKVFQILIFYFKEHERIHTGKKPYECKEKGAFSVCGQLTRHQKIHT
 GVKPYECKEKGKTFRLSFYLTEHRRTHAGKKPYECKEKGKSFNVQRQLNRHKTIHTGIKPFACKVCEKAF
 SYSGDLRVHSRIHTGKPYECKEKGKAFMLRSVLTEHQRLLHTGVKPYECKEKGKTFRVRQSISLHKKIHT
 DVKPKYKVRGKTFRFGFYLTEHQRIHTGKPYKCKEKGKAFIRRGNLKEHLKIHSGLKPYDCKEKGKSF
 SRRGQFTEHQKIHTGVKPYKCKEKGKAFSRVDLRIHQRIHTGKPYECKQCGKAFRLNSHLTEHQRIHT
 GEKPYECKVCRKAFRQYSHLYQHQQKTHNVI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152606

ORF Size: 1980 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_152606.5](#)

RefSeq Size: 3335 bp

RefSeq ORF: 1983 bp

Locus ID: 163255

UniProt ID: [Q8NDQ6](#)

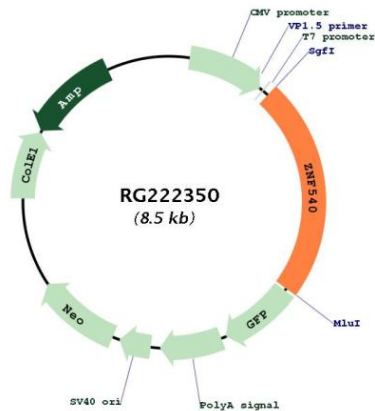
Cytogenetics: 19q13.12

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May act as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222350