

Product datasheet for **RG200542**

ZNF202 (NM_003455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF202 (NM_003455) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF202
Synonyms:	ZKSCAN10; ZSCAN42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200542 representing NM_003455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTACAGCCGTGGAACCCAGAGGACCAGGATCTTTGGGAAGAAGAGGGAATTCGATGGTGAACCTGG
 AAGATGATTTACCTGTGCGCCAGAGTCTGTCTTACAGAGGGATGACCCGGTGTGGAAACCTCCCACCA
 GAACTTCCGACGCTTCCGCTACCAGGAGCAGCAAGCCCTAGAGAAGCTCTCATCAGACTCCGAGAAGCTT
 TGTACCAGTGGCTGAGACCAGAGAGCGGACAAAGGAGCAGATCCTAGAGCTGCTTGTGCTGGAACAAT
 TTCTTACCCTACCTGGAGAAGTACAGAGCTGGGTGCGGGGCCAACGGCCAGAAAGTGGCGAGGAGGC
 AGTGACGCTGGTGGAGGGTTTGCAGAAACAACCCAGGAGACCAAGGCGGTGGGTGACTGTCCATGTTTAC
 GGCCAGGAAGTCTGTGAGAGGAGCGGTGCATTTAGGAGCGGAGCCTGAGTACCTAATGAGCTGCAGG
 ATCCTGTGCAAAGCTCGACCCCGAGCAGTCTCCTGAGGAAACCACAGAGCCAGATCTGGGGCACC
 GGCAGAGCAGCGTCCACACCAGGAAGAGGAGCTCCAGACCCTGCAGGAGAGCGAGTCCCAGTGGCCGAG
 GACCCAGACCTTCTGCAGAGAGGAGCTCTGGAGACTCAGAGATGGTTGCTCTTCTACTGCTGTGTAC
 AGGGACTGGTAACGTTCAAGGATGTGGCCGTATGCTTTTCCCAGGACCAGTGGAGTGATCTGGACCAAC
 ACAGAAAGAGTTCTATGGAGAATATGTCTTGAAGAAGACTGTGGAATTGTTGTCTCTGTCTATTCCA
 ATCCCCAGACCTGATGAGATCTCCAGGTTAGAGAGGAAGAGCCTTGGTCCCAGATATCCAAGAGCCTC
 AGGAGACTCAAGAGCCAGAAATCCTGAGTTTTACCTACACAGGAGATAGGAGTAAAGATGAGGAAGAGTG
 TCTGGAGCAGGAAGATCTGAGTTTGGAGGATATACACAGGCTGTTTTGGGAGAACCAGAAATTCACCAG
 ACTCCAGATTGGGAAATAGTCTTTGAGGACAATCCAGGTAGACTTAATGAAAGAAGATTTGGTACTAATA
 TTTCTCAAGTGAATAGTTTTGTGAACCTTCGGGAAACTACACCCGTCACCCCTGTTAGGGAGGCATCA
 TGACTGTTCTGTGTGGAAAGAGCTTCACTTGAACCTCCACCTTGTAGACACCTGAGGACTCAGACACA
 GGAGAGAAACCTATAAATGTATGGAATGTGGAATAAGTTACACACGAAGCTCACATCTTCCAGGACCC
 AAAAGGTTACAAGATGAACGCGCCTTACAATATCCCCTAAACCGGAAGAATTTGGAAGAGACCTCCCC
 TGTGACACAGGCTGAGAGAACTCCATCAGTGGAGAAACCTATAGATGTGATGATTGCGGAAAGCACTTC
 CGCTGGACTTCAGACCTTGTGAGACATCAGAGGACACATACTGGAGAAAAACCTTCTTTTGTACTATTT
 GTGGCAAAGCTTCAGCCAGAAATCTGTGTTAACACACACCAAGAATCCACCTGGGAGGCAAACCTA
 CTTGTGTGGAGAGTGTGGTGGAGACTTCAGTGAACACAGGCGGTACCTGGCGCACCGGAAGACGCAGCT
 GCTGAGGAACTTACCTCTGCAGCGAGTGCAGGCGCTGCTTACCACAGCGCAGCGTTCGCCAAGCACT
 TGAGAGGACACGCTCAGTGGGCGCTGCGGATGCAACGAATGTGGGAAGAGCTTCACTCGAGGGACCA
 CCTCGTACGGCATCAGAGAACACACACTGGGGAGAAACCTTACGTTGCCCTACCTGTGGAAAAAGCTTC
 AGCAGAGGATACACTTAATTAGGCATCAGAGGACCCACTCAGAAAAGACCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200542 representing NM_003455
 Red=Cloning site Green=Tags(s)

MATAVEPEDQDLWEEGILMVKLEDDFTCRPESVLQRDDPVLETSHQNFRRFRYQEAAASPREALIRLREL
 CHQWLRPERRTKEQILELLVLEQFLTVLPGELQSWVRGQRPESGEEAVTLVEGLQKQPRRPRRWTVVHVH
 GQEVLSSETVHLGAEPESPNELQDPVQSSTPEQSPEETTQSPDLGAPAEQRPHQEEELQTLQESEVPVPE
 DPDLPAERSSGDSEMVALLTALSQGLVTFKDVAVCFSDQWSDLDPTQKEFYGEYVLEEDCGIVVSLSFP
 IPRPDEISQVREEEPWVPDIQEPQETQEPEILSFTYTGDRSKDEEECLEQEDLSLEDIHRPVLGEPEIHQ
 TPDWEIVFEDNPGRLNERRFGTNI SQVNSFVNLRRETPVHPLLGRHHDCSVCCKSFTCNLVRHLRHTHT
 GEKPYKMECGKSYTRSSHLARHQVHKMNAPYKYPLNRKNLEETSPVTQAERTPSVEKPYRCDCCGKHF
 RWTSDLVRHQRTHTGEKPFCTICGKSFQKSVLTTTHQRIHLGGKPYLCGECGEDFSEHRRYLAHRKTHA
 AEELYLCSEGRCTHSAFAKHLRGHASVRPCRCNECGKSFRRDHLVRHQRTHTGEKPFCTCPTCGKSF
 SRGYHLIRHQRTHTSEKTS

TRTRPLE - GFP Tag - V

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:	<ol style="list-style-type: none"> 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_003455.1
RefSeq Size:	4055 bp
RefSeq ORF:	1947 bp
Locus ID:	7753
UniProt ID:	O95125
Cytogenetics:	11q24.1
Domains:	KRAB, LER, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	Transcriptional repressor that binds to elements found predominantly in genes that participate in lipid metabolism. Among its targets are structural components of lipoprotein particles (apolipoproteins AIV, CIII, and E), enzymes involved in lipid processing (lipoprotein lipase, lecithin cholesteryl ester transferase), transporters involved in lipid homeostasis (ABCA1, ABCG1), and several genes involved in processes related to energy metabolism and vascular disease.[UniProtKB/Swiss-Prot Function]