

Product datasheet for **SC117944**

ZNF202 (NM_003455) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF202 (NM_003455) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF202
Synonyms:	ZKSCAN10; ZSCAN42
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_003455, the custom clone sequence may differ by one or more nucleotides

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ATGGCTACAGCCGTGGAACCCAGAGGACCAGGATCTTTGGGAAGAAGAGGGAATTCTGATGGTGAACTGG
AAGATGATTTACCTGTGCGCCAGAGTCTGTCTTACAGAGGATGACCCGGTCTGGAACTCCACCA
GAACTTCCGACGCTTCCGCTACCAGGAGCAGCAAGCCCTAGAGAAGCTCTCATCAGACTCCGAGAACT
TGTCAACAGTGGCTGAGACCAGAGAGGCGGACAAAGGAGCAGATCCTAGAGCTGCTGTGCTGGAACAAT
TTCTTACCCTACCTGGAGAACTACAGAGCTGGGTGCGGGGCCAACCGCCAGAAAGTGGCGAGGAGGC
AGTGACGCTGGTGGAGGTTTGCAGAAACAACCCAGGAGACCAAGGCGGTGGTGACTGTCCATGTTTAC
GGCCAGGAAGTCTGTGAGAGGAGCGGTGCAATTTAGGAGTGGAGCCTGAGTACCTAATGAGCTGCAGG
ATCCTGTGCAAAGCTCGACCCCGAGCAGTCTCCTGAGGAAACCACAGAGCCAGATCTGGGGCACC
GGCAGAGCAGCGTCCACACCAGGAAGAGGAGCTCCAGACCCTGCAGGAGAGCGAGGTCCCAGTCCCCGAG
GACCCAGACCTTCTGCAGAGAGGAGCTCTGGAGACTCAGAGATGGTTGCTTCTTACTGCTCTGTAC
AGGGACTGGTAACGTTCAAGGATGTGGCGTATGCTTTTCCAGGACCAGTGGAGTGATCTGGACCAAC
ACAGAAAGAGTTCTATGGAGAATATGTCTTGAAGAAGACTGTGGAATTGTTGTCTCTGTCAATTTCCA
ATCCCCAGACCTGATGAGATCTCCAGGTTAGAGAGGAAGAGCCTTGGGTCCCAGATATCCAAGAGCCTC
AGGAGACTCAAGAGCCAGAAATCCTGAGTTTTACCTACACAGGAGATAGGAGTAAAGATGAGGAAGAGTG
TCTGGAGCAGGAAGATCTGAGTTTGGAGGATATACACAGGCTGTTTTGGGAGAACCAGAAATTCACCA
ACTCCAGATTGGGAAATAGTCTTTGAGGACAATCCAGGTAGACTTAATGAAAGAAGATTTGGTACTAATA
TTTCTCAAGTGAATAGTTTTGTGAACCTTCGGGAAACTACACCCGTCACCCCTGTTAGGGAGGCATCA
TGACTGTTCTGTGTGGAAGAGCTTCACTTGTAACTCCACCTGTTAGACACCTGAGGACTCACACA
GGAGAAAACCTATAAATGTATGGAATGTGAAAAGTTACACACGAAGCTCACATCTTGCCAGCAC
AAAAGTTTCAAAAGATGAACGCGCTTACAATAATCCCTAAACCGGAAGAATTTGGAAGAGACCTCCCC
TGTGACACAGGCTGAGAGAACTCCATCAGTGGAGAAACCTATAGATGTGATGATTGCGGAAAGCACTTC
CGCTGGACTTCAGACCTTGTGAGACATCAGAGGACACATACTGGAGAAAAACCTTCTTTTGTACTATTT
GTGGCAAAGCTTCAGCCAGAAATCTGTGTTAACACACACCAAAGAATCCACCTGGGAGGCAAACCTTA
CTTGTGTGAGAGTGTGGTGGAGACTTCACTGAAACAGGCGGTACCTGGCGCACCGGAAGACGCACGCT
GCTGAGGAACTCTACCTCTGCAGCGAGTGGGGCGCTGCTTACCACAGCGCAGCGTTCGCCAAGCACT
TGAGAGGACACGCCTCAGTGGGCCCTGCCGATGCAACGAATGTGGGAAGAGCTTCACTGCGAGGGACCA
CCTCGTCAAGCATCAGAGAACACACACTGGGGAGAAACCTTACGTGCCCTACCTGTGAAAAAGCTTC
AGCAGAGGATATCACTTAATTAGGCATCAGAGGACCCACTCAGAAAAGACCTCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003455 unedited

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NNNTGTCANAATTTGTATACGACTCCTATAGGGCGCCGCGATTTCGGCACGAGGCACGTC
TTCCGACCCGCTAGGCCCGCGCGGCTCGGATCCGGCGGCGCTGTTTCGGTCCGGAGTGG
GTGGGAGAGAAGCCGGGCAAGGGAGGAGCCCGGAGCTGTGCGAGCCGCCCCTTGAA
GAAAATCCTCGCTGTGTCCAGGCTGAGGCGGGGGCTAATGACAGTGTGAGCTCTAGATG
GTGTGAGACCACCCAAAGCCAAGAAATGGCTACAGCCGTGGAACCAGAGGACCAGGATC
TTTGGGAAGAAGAGGAAATCTGATGGTGAACTGGAAGATGATTTACCTGTGCGCCAG
AGTCTGTCTTACAGAGGGATGACCCGGTCTGGAACCTCCACCAGAACTTCCGACGCT
TCCGCTACCAGGAGGCAGCAAGCCCTAGAGAAGCTCTCATCAGACTCCGAGAACTTTGTC
ACCAGTGGCTGAGACCAGAGAGGCGGACAAAGGAGCAGATCCTAGAGCTGCTTGTGCTGG
AACATTTCTTACCGTCTACCTGGAGAACTACAGAGCTGGGTGCGGGGCCAACGGCCAG
AAAGTGGCGAGGAGGCAGTGNACGCTGGTGGAGGTTTGCAGAAACAACCCAGGAGACCA
AGGGCGGTGACTGTCCATGTTACCGCCAGGAAGTCTGTCAAGGGAGACGGTGATTT
AGGAGCGGAGCCTGAGTCACTATGACTGGCAGGNATCCTGTGCANAGCTCGACCCCGA
GCAGTCTCCTGGAGGAACCACAGAGCCAGATTCTGGGGCACCGGCAGNAGCAGCGTC
CCCNCAAGGAAGAGGAGCTCCACCCTGCAGNAAAANACAGGGTCCCNTGGCCCCGAGGAC
CCAGACTTCTGCCGAAAAGGAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003455 unedited TATGGACCCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGCTGCAAGTG TTACCTTTATTTATTTTCATATATGTATATTTCCAGAAGGACAACGGTTGACTGGTATTA GACCAAACCAGTCCATCAGAATATCATCGACCAAAATGAGAATTTCCCTGTTGGGCCATT AGGTTGGAGTCTTATTAACCTCCCCTATTCTCGGGCCATAATGCATTATGAGATAG AGGAGAAGAAACCAGGCACAGAAGACTCTCCCTGTCATGCTTTAACCCCATACCTGTGC TCCACTTATGGAGAGCTCTCCCAGTTCTTGCCACTCCCACAATCAGAGAAGGTGAAGG TTCATAAATTATTAACCTCTTTTTTTCCAGGGGAAACCTTTTTATCGGGGGCCAAAA AAAAATTTGGGGGCCCCCTGAAGAAGGGCTTTTTTTTTTTTTTTAAGAAAAAAACCC CGGGGAAAAAACCCCCCCCCCTCCGGGGGGGCCCTTTTCCTCGGGGAGCCCTCCG GGGGGGCCGGGAAAAAATTTTTGTGGGGGGGAACCCCCCGGGGGGGGGGGGG GGGGGGGGCAAAAACTTTGTTGGGGCTTCCAACACCACCTTTTTTTCTTTAAAAAAG CGGCCGGCCCCCCCCCTTTTTCTAAAAAAACCCCGCGCCAGTCACACTTTT CTCTTTGTCTTTCCCNCCGGNGTTCCCCATCCCCTTTTTTCTCCCCTCAGGGACCC NGGGGGCGCCGCTCCCCCCCCCTTCCCCTCNACCACCCTCTCCCTCTCTTTCTC A
Restriction Sites:	NotI-NotI
ACCN:	NM_003455
Insert Size:	4090 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_003455.2</u> , <u>NP_003446.2</u>
RefSeq Size:	4055 bp
RefSeq ORF:	1947 bp
Locus ID:	7753
UniProt ID:	<u>O95125</u>
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]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same isoform (1).