OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG238144

ZNF202 (NM_001301819) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF202 (NM_001301819) 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)

ORF Nucleotide Sequence:

>RG238144 representing NM_001301819.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTTGCTCTTCTTACTGCTCTGTCACAGGGACTGGTAACGTTCAAGGATGTGGCCGTATGCTTTTCC
CAGGACCAGTGGAGTGATCTGGACCCAACACAGAAAGAGTTCTATGGAGAATATGTCTTGGAAGAAGAC
TGTGGAATTGTTGTCTCTCTGTCATTTCCAATCCCCAGACCTGATGAGATCTCCCAGGTTAGAGAGGAA
GAGCCTTGGGTCCCAGATATCCAAGAGCCTCAGGAGACTCAAGAGCCAGAAATCCTGAGTTTTACCTAC
ACAGGAGATAGGAGTAAAGATGAGGAAGAGTGTCTGGAGCAGGAAGATCTGAGTTTGGAGGATATACAC
AGGCCTGTTTTGGGAGAACCAGAAATTCACCAGACTCCAGATTGGGAAATAGTCTTTGAGGACAATCCA
GGTAGACTTAATGAAAGAAGATTTGGTACTAATATTTCTCAAGTGAATAGTTTTGTGAACCTTCGGGAA
ACTACACCCGTCCACCCCCTGTTAGGGAGGCATCATGACTGTTCTGTGTGTGGAAAGAGCTTCACTTGT
AACTCCCACCTTGTTAGACACCTGAGGACTCACACAGGAGAGAAACCCTATAAATGTATGGAATGTGGA
AAAAGTTACACACGAAGCTCACATCTTGCCAGGCACCAAAAGGTTCACAAGATGAACGCGCCTTACAAA
TATCCCCTAAACCGGAAGAATTTGGAAGAGACCTCCCCTGTGACACAGGCTGAGAGAACTCCATCAGTG
GAGAAACCCTATAGATGTGATGATTGCGGAAAGCACTTCCGCTGGACTTCAGACCTTGTCAGACATCAG
AGGACACATACTGGAGAAAAACCCTTCTTTTGTACTATTTGTGGCAAAAGCTTCAGCCAGAAATCTGTG
TTAACAACACACCAAAGAATCCACCTGGGAGGCAAACCCTACTTGTGTGGAGAGTGTGGTGAGGACTTC
AGTGAACACAGGCGGTACCTGGCGCACCGGAAGACGCACGCTGCTGAGGAACTCTACCTCTGCAGCGAG
TGCGGGCGCTGCTTCACCCACAGCGCAGCGTTCGCCAAGCACTTGAGAGGACACGCCTCAGTGAGGCCC
TGCCGATGCAACGAATGTGGGAAGAGCTTCAGTCGCAGGGACCACCTCGTCAGGCATCAGAGAACACAC
ACTGGGGAGAAACCATTCACGTGCCCTACCTGTGGAAAAAGCTTCAGCAGAGGATATCACTTAATTAGG
CATCAGAGGACCCACTCAGAAAAGACCTCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

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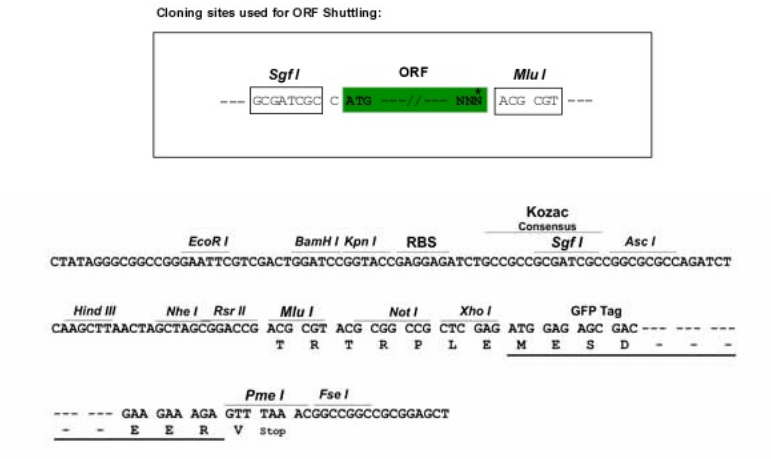
Protein Sequence:

>Peptide sequence encoded by RG238144
Blue=ORF Red=Cloning site Green=Tag(s)

MVALLTALSQGLVTFKDVAVCFSQDQWSDLDPTQKEFYGEYVLEEDCGIVVSLSFPIPRPDEISQVREE
EPWVPDIQEPQETQEPEILSFTYTGDRSKDEEECLEQEDLSLEDIHRPVLGEPEIHQTPDWEIVFEDNP
GRLNERRFGTNISQVNSFVNLRETTPVHPLLGRHHDCSVCGKSFTCNSHLVRHLRTHTGEKPYKCMECG
KSYTRSSHLARHQKVHKMNAPYKYPLNRKNLEETSPVTQAERTPSVEKPYRCDDCGKHFRWTSDLVRHQ
RTHTGEKPFFCTICGKSFSQKSVLTTHQRIHLGGKPYLCGECGEDFSEHRRYLAHRKTHAAEELYLCSE
CGRCFTHSAAFAKHLRGHASVRPCRCNECGKSFSRRDHLVRHQRTHTGEKPFTCPTCGKSFSRGYHLIR
HQRTHSEKTS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001301819

ORF Size: 1272 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

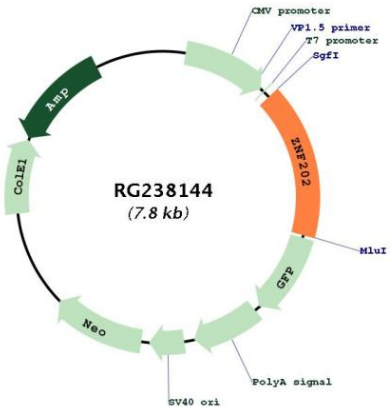
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001301819.1, NP_001288748.1

RefSeq Size:	4110 bp
RefSeq ORF:	1275 bp
Locus ID:	7753
UniProt ID:	O95125
Cytogenetics:	11q24.1
Protein Families:	Transcription Factors
MW:	49.4 kDa
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]

Product images:



Circular map for RG238144