

Product datasheet for **RG207355**

ZNF642 (ZFP69) (NM_198494) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF642
Synonyms:	ZFP69A; ZKSCAN23A; ZNF642; ZSCAN54A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207355 representing NM_198494
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCACAGCAGCTCCTGATCACCTGCCTACCGAGGCCAGCACCTGGGTGAAGCTGCAACATCCAAAGA
 AGGCCGTGGAGGGGGCGCCCTGTGGGAGGATGTGACTAAAATGTTTGAAGGAGAAGCTCTGCTGTCTCA
 GGATGCTGAGGACGTAAGACCCAGAGAGAAAGTTAGAGGATGAAGTGACCCCTGGACTCCCGACAGCA
 GAATCCACGGAATTGTTGACTTTCAAGGACATATCTATTGACTTACCCAGGAAGAGTGGGGGCAGCTGG
 CTCCTGCTCACCAGAATCTATACCGAGAGGTGATGCTGGAGAACTACAGCAACTTGGTGTCACTGGGATA
 TCAACTTTCCAAACCTAGTGTGATATCCCAAGTTAGAGAAAGGAGAAGAGCCATGGATGGCAGAGAAAGAA
 GGCCAGGAGATCCAGTTGAGACTTGAAGAGTAAATAGAAACCATGAGTCAACTGCAAAGAGTACCA
 TTTACAGGAGCGCTTATATCATGGCATTATGATGAAAGTTTCATGAGGGATGATATAATTTATCCAC
 GTTGAGAAAAGTCTCCACATATGATGATGCTTAGAAAGGCACCGAAACTTGTATGAGAGATGTGAGA
 CAAGCCATCTTGACCCATAAGAAGAGAGTCCAAGAACTAACAAATTTGGGGAAAAATATCATTGTGCATT
 CAAATGTTATTATTGAACAGAGGCACCATAAATATGATACACCTACAAAGCGGAACACATACAAATTAGA
 TTTGATTAATCATCCAACAAGTTACATAAGAACAAAAACCTATGAATGTAATATATGTGAAAAATCTTC
 AAACAACCTATTACCTTACTGAACATATGAGAATTCATACTGGTGAGAAACCTTTGAGATGAAGGAAT
 GTGGAAGGGCCTTTAGTCAAAGTGATCCCTCAGTACACACAGAGAATCCATACTGGTGAGAAACCTTT
 TGAATGTGAGGAATGTGGGAAAGCCTTCAGACATCGCTCATCACTTAATCAGCATCATAGAACTCACACT
 GGGGAGAAACCTATGTATGTGATAAATGTCAGAAAGCTTTAGCCAGAACATTAGCTTGGTTCAACATT
 TGAGGACTCATTCTGGAGAGAAACCTTTTACTTGCAATGAATGTGGGAAACCTTTAGACAGATTAGACA
 CCTTAGTGAACATATAAGAATTCATACCGGGGAGAAGCCCTATGCATGCACTGCATGTTGTAAAACCTTT
 AGTCATAGAGCGTATCTAACACATACAGAGAAATCCATACTGGGGAGAGACCTACAAATGTAAGAAT
 GTGGAAGAGCCTTAGGAGAGGATACACCTTAGCAACCATAAAACCTGTCATACAGGAGTGAAAGCATA
 TGAATGCAACCGCTGTGGAAGGCCTATAGGCATGATTCATCCTTTAAAAACATCAGAGACATCACACT
 GGAGAAAAACCTTACGAATGTAAAGATGTGGAAGGCCTTCAGCTATAACTCTTCACTTAGTCGACATC
 ATGAAATACACAGGAGGAACGCTTCCGAAATAAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207355 representing NM_198494
 Red=Cloning site Green=Tags(s)

MPQQLLITLPTASTWVQLQHPKKAVERGAPLWEDVTKMFEGEALLSQDAEDVKTQRESLEDEVTPGLPTA
 ESQELLTFKDISIDFTQEEWQLAPAHQNLRYEVMLENYSNLVSVGYQLSKPSVISQLEKGEEPPWMAEKE
 GPGDPSSDLKSKIETIESTAKSTISQERLYHGIMMESFMRDDIIYSTLRKVSTYDDVLERHQETCMRDVR
 QAILTHKKRVQETNKFGENIIVHSNVIIEQRHKKYDPTKRNTYKLDLINHPTSYIRTKTYECNICEKIF
 KQPIHLTEHMRITGEKPFCKEKGAFSSQASLSTHQRIHTGEKPFCEECGKAFRHRSSLNQHHRTHT
 GEKPYVCDKQKAFSQNISLVQHLRTHSGEKPFCTCNECGKTFRQIRHLSEHIRIHTGEKPYACTACCKTF
 SHRAYLTHHQRIHTGERPYKKECGKAFRQRIHLSNHKTVHTGVKAYECNRCGKAYRHDSSFKKHQRHHT
 GEKPYECNECGKAFSYNSSLSRHHEIHRNAFRNKV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198494

ORF Size: 1578 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.

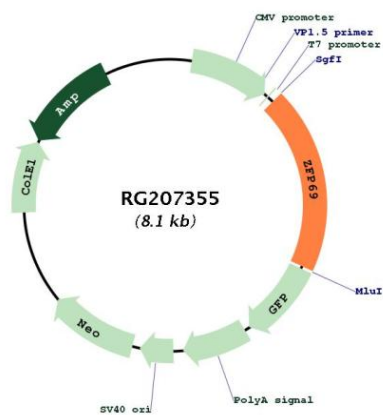
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198494.3](#)

RefSeq Size: 2176 bp

RefSeq ORF:	1581 bp
Locus ID:	339559
UniProt ID:	Q49AA0
Cytogenetics:	1p34.2
Protein Families:	Transcription Factors
Gene Summary:	Putative transcription factor that appears to regulate lipid metabolism.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207355