

Product datasheet for **MG205638**

Zfp385 (BC017644) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp385 (BC017644) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp385
Synonyms:	Hzf; Zfp385; Znf385a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205638 representing BC017644 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCAGCCACCGATGGACCTCAAGCAGATCCTGCCCTTCCCACTAGAGCCAGCCCCAACCTGGGCCTCT
TCAGCAACTACAGCACAATGGACCCTGTACAGAAAGCTGTGCTCTCCACACTTTTGAGGACCCTTGCT
CAAGACCAAGCGGCCAGTCATTTCTGTAATGTCTGTGATCCGCTTCAATTCTCAGAGCCAGGCTGAG
GCGCACTACAAGGTAATCGCCATGCCGAAGAGTCAAAGGCATCGAAGTGCCAAAACCCGAGGCAGGG
AGCCTAGTGTCCGGAATCAGGAGATCCAGCTCCAGCAGGCAGCATCCCTCCGAGTGGGGATGGTGTAGC
CCCTCGTCCAGTTTCATGGAGAATGGCCTGGGTCCAGCTCCAGGATCCCGAGAGAAACAGCCTGGCTCC
CCATCCCCCTCCCAGTGTTCAGAGTCGGGACAGGGTGTAAACCAAGGGTGAAGGGGGAACCTCAGTCCAG
CTTCCCTGCCTGGGGGTAGCAAGGAAGAGGAGGAGAAGGCTAAGCGTCTGCTCTACTGTGCACTGTGCAA
GGTGGCTGTGAACTCCCTGTCCAGCTTGAGGCACATAACAAAGTACTAAGCACAAGACAATTTTGGAG
GCCCCAAGTGGGCTGGGACCCATCAAAGCTTACCCTCGGTTGGGGCTCCCACTCCTGGGGAACAGAGG
CTCCTGCCCAGGACCGAACCTTCCACTGTGAGATCTGCAATGTCAAGGTCAATTCGGAGGTCCAGCTGAA
ACAGCACATCTCCAGCAGGAGGCACCGAGATGGCGTGGCTGGGAAGCCCCAACCTCTACTGAGCCGGCAC
AAGAAGCCTAGGGGCGCTGCAGAGCTGGCGGGCACGCTGACTTTCTCAAAGGAGCTGCCAAGTCCCTGG
CCGGTGGCTGTCCCCAGCCCCCTAGCGGTGGCTGCGGTGATGGCCGCTGCAGCAGGATCTCCGCTGTC
CCTGCGTCCAGCTCCAGCTGCACCTTTCTGCAAGGACCACCGATCACACACCCTCTACTCCACCCTGCC
CCAGGACCATCCGAAGTGCACAGGACCATCTCTTCTCCCCCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205638 representing BC017644
Red=Cloning site Green=Tags(s)

MQPPMDLKQILPFPLEPAPTLGLFSNYSTMDPVQKAVLSHTFGGPLLKTRPVISCNVCQIRFNSQSQAE
AHYKGNRHARRVKGIEAAKTRGREPSVRESGDPAPAGSIPPSGDGVAPRPVSMENGLGPAGSPEKQPGS
PSPSPVESGQGVTKGEGGTSVPASLPGGSKEEEEKAKRLLYCALCKVAVNSLSQLEAHNKGTKHKITLE
ARSLGPIKAYPRLGPPTPGEPEAPAQDRTFHCEICNVKVNSEVQLKQHISSRRHRDGVAGKPNPLLSRH
KKPRGAAELAGTLTFSKELPKSLAGLLPSPLAVAAMAAAAGSPLSLRPAPAAPLLQGPPITHPLLHPA
PGPIRTAHGPILFSPY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC017644

ORF Size: 1098 bp

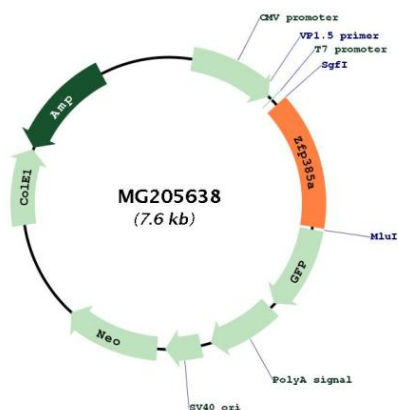
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>BC017644.1</u>
RefSeq Size:	2377 bp
RefSeq ORF:	1100 bp
Locus ID:	29813
Cytogenetics:	15 F3
Gene Summary:	RNA-binding protein that affects the localization and the translation of a subset of mRNA. May play a role in adipogenesis through binding to the 3' UTR of CEBPA mRNA and regulation of its translation. Targets ITPR1 mRNA to dendrites in Purkinje cells, and may regulate its activity-dependent translation. With ELAVL1, binds the 3' UTR of p53/TP53 mRNAs to control their nuclear export induced by CDKN2A. Hence, may regulate p53/TP53 expression and mediate in part the CDKN2A anti-proliferative activity. May also bind CCNB1 mRNA. Alternatively, may also regulate p53/TP53 activity through direct protein-protein interaction. Interacts with p53/TP53 and promotes cell-cycle arrest over apoptosis enhancing preferentially the DNA binding and transactivation of p53/TP53 on cell-cycle arrest target genes over proapoptotic target genes. May also regulate the ubiquitination and stability of CDKN1A promoting DNA damage-induced cell cycle arrest. Also plays a role in megakaryocytes differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205638