

## Product datasheet for **MG224134**

### Zfp385a (NM\_013866) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zfp385a (NM\_013866) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Zfp385a  
**Synonyms:** Hzf; Zfp385; Znf385a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG224134 representing NM\_013866  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATCCTCGGCAGCCTGAGCCGGGCAGGGCCCTCCCTCTGCTCCGGCAGCCCCCATCATGCAGCCAC  
 CGATGGACCTCAAGCAGATCCTGCCCTTCCCACTAGAGCCAGCCCCAACCTGGGCTCTTCAGCAACTA  
 CAGCACAATGGACCCTGTACAGAAAGCTGTGCTCTCCCACTTTTGGAGGACCTTGCTCAAGACCAAG  
 CGGCCAGTCATTTCTGTAATGTCTGTGATCCGCTTCAATTCTCAGAGCCAGGCTGAGGCGCACTACA  
 AGGTAATCGCCATGCCGAAGAGTCAAAGGCATCGAAGCTGCCAAAACCGAGGCAGGGAGCCTAGTGT  
 CCGGGAATCAGGAGATCCAGCTCCAGCAGGCAGCATCCCTCCGAGTGGGATGGTGTAGCCCTCGTCCA  
 GTTTCCATGGAGAATGGCTGGTCCAGCTCCAGGATCCCCAGAGAAAACGCCTGGCTCCCCATCCCTC  
 CAGTGTTCAGAGTCGGGACAGGGTGTAAACCAAGGTGAAGGGGAACTTCAGTCCCAGCTTCCCTGCC  
 TGGGGGTAGCAAGGAAGAGGAGGAGAAGGCTAAGCGTCTGCTCTACTGTGCACTGTGCAAGTGGCTGTG  
 AACTCCCTGTCCCAGCTTGAGGCACATAACAAAGTACTAAGCACAAGACAATTTGGAGGCCCGAAGTG  
 GGCTGGGACCCATCAAAGCTTACCCTCGGTTGGGGCTCCCACTCCTGGGAACCCAGAGGCTCCTGCCCA  
 GGACCGAACCTTCCACTGTGAGATCTGCAATGTCAAGTCAATTCGGAGGTCCAGCTGAAACAGCACATC  
 TCCAGCAGGAGGCACCGAGATGGCGTGGTGGGAAGCCCAACCTCTACTGAGCCGGCACAAGAAGCCTA  
 GGGCGCTGCAGAGCTGGCGGGCACGCTGACTTTCTCAAAGGAGCTGCCAAGTCCCTGGCCGGTGGCCT  
 GCTCCCCAGCCCCCTAGCGGTGGCTGCGGTGATGGCCGCTGCAGCAGGATCTCCGCTGTCCCTGCGTCCA  
 GCTCCAGCTGCACCTTCTGTCAGGGACCACCGATCACACACCCTCTACTCCACCCTGCCCCAGGACCCA  
 TCCGAAGTGCACAGGACCCATCTCTTCTCCCCCTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG224134 representing NM\_013866  
 Red=Cloning site Green=Tags(s)

MILGSLSRAGPLPLLRQPPIMQPPMDLKQILPFPLEPAPTLGLFSNYSTMDPVQKAVLSHTFGGPLLKTK  
 RPVISCNVCQIRFNSQSQAEAHYKGNRHARRVKGIEAAKTRGREPSVRESGDPAPAGSIPPSSGDGVAPRP  
 VSMENGLGPAPGSPEKQPGSPSPSPVPESEGGVTKGEGGTSVPASLPGGSKEEEEKAKRLLYCALCKVAV  
 NSLSQLEAHNKGTKHKKTILEARSLGPIKAYPRLGPPTPGEPEAPAQDRTFHCEICNVKVNSEVQLKQHI  
 SSRHRDGVAGKPNLLSRHKKPRGAAELAGTLTFSKELPKSLAGLLPSPLAVAAVMAAAAGSPLSLRP  
 APAAPLLQGPPITHPLLHPAGPIRTAHGPILFSPY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013866

**ORF Size:** 1158 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.

**RefSeq:** [NM\\_013866.2](#), [NP\\_038894.2](#)

**RefSeq Size:** 2320 bp

**RefSeq ORF:** 1161 bp

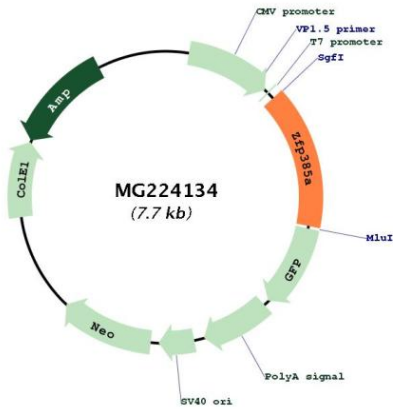
**Locus ID:** 29813

**UniProt ID:** [Q8VD12](#)

**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 MG224134