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Product datasheet for MG215399

Zfp36l3 (NM_001009549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp36l3
Synonyms:	AY661338
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG215399 representing NM_001009549, codon optimized.
Due to the complexity of NM_001009549, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAACAATAACCTGAATCGACCACTGAATACAAACGTGGCGGACTCCTCCAACAGTTCATCCACTC
CTGGAACCGCACCACCTCCCAGTAGCTCTGATCCCCAGGTACTGGGACATCAGGCTCCTTCCAGTTCAGC
ATCTTCCTTGACAGAGGACTGTTCTAGCAGCTTCGCTAGAGATCTCAATTCTTACAACAACGGGCAGTCA
GGAGCCACTGGAGCCGTTTCTTGGGAGGCTCCTCACGAGCCTTCCGAAGCTAATGCTGTGTCCCAGATTC
ACCCCCGGAACGGGGAGCACTCCCTCCAGCAAAAACCCAAGCCGCAGAAAGTGTCCGGGAGCAGTTCACT
GGCAACCAGCGAAAGATATAAGACAGAGCTCTGCCGACCCTTCGAAGAGAGCGGCATCTGTAAATACGGA
CATAAGTGCCAGTTCGCCCATGGCTATCGAGAACTTAGAACCCTCTCACGCCACCCGAAGTACAAGACCG
AGCCCTGCCGCACATTTCATTCTGTCGGCTTTTGCCCATACGGCACTCGGTGCCACTTTATTCACAACCA
GCCAGAGCAGCAGCCTGTGTTGAGCGAGAGCACACTGGAGGAGCCTTCAAGTTTCAATGGCTCAAATGTG
CTTCACCTGGGCGTCAATGGGGAGCAGCAACCCGGGCTCCAATCTGATTCACCTTCAGGTTTTCTGTCCG
TGAACAGTCAAGCTTTGCAGGCTCCCCTTCAGCTTAACCAGCAAGCCCTCTCCTCCGGGGGAGTTATGCC
TTCCTCTCACCCTGCTGCCGCTAATTTGCGCATGATGTGTTGTCGGACTAGCAGCTCCACCACCGCCCAT
GACGCCGACAAGGATCCTGATAAGGATGCAGACAAAGATCCCTCCAATAACTCAGCAAACGACGCCCTGG
CCTTCCCCCAGGAACCAGGTGATTTTTCACCCGTTGCATTCCAGAATCCTAACACCGCCACAACTACTCC
CACTGCCTTCTACAATAACCAGCAGCAGATGGGACTGGCAGCTAGCGCGCAGTTCCAGATGCCACTTGCC
CGACCCCTCCCGTCTGCAACCATTTTCGGACAAGCTTCTGTGGGCCCCGCTCTGACACCCGGGGCAGCTA
TGGCCCCCGGGGCCGCACTCGCTCCGGCCGCTGCCTTGACCCCCGCGGCCGCGCTCGCCCCCGGGGCCGC
AATGGCACTCGGCGCCGCTATGGCAACTGGGGCCGCAATGGCCACCGGCGCTGCCCTGACCCCGGGAGCT
GCTCTCGCTCTCGGCGCAGCAATGGCAGCAGGAGCTGCACTTGCTCCCGGCGCCGCAATGGCTCCAGGAG
CAGCAATGGCCACAGGGGCAGCTCTCGCCTTCGGAGCCGCCATGGCCACCGGGACTACACTGACCCCAGG
TGCAGCTATGGCTCTGGGTGCCGCCATGGCTACAGGAGCAGCGCTCGCCCCCGGTGCCGCTGTAGCACCC
AGAGCGGCACTGGCTCCAAGGGCGGCTTTTGCCCCAGGCGCAGCCGCCTTGGCCCCGCGGGCAGCTCTGC
CACCCGGCGCAGCATTGACCCCCGGTGCTGCCCTCGCCCCAGGCGCCGCACTCGCTCCCAGGGCCGCTCT
GCCCCCGGGTGCAACTCTGCGCCCCGGGGCGGCATTGATCCCACGAGCAGCTCTGGCTCCCGGTGCAGCC
CTGGCCCCAGGGGCTGCACTTACTCCAGGTGCAGCCCTCGCCCCGGGTGCAACCCTGGCCCCTCGCGCTG
CCCTCGCCCCGGGTGCCGCTTTGGCTCCCAGAATAACAATCACCTCCAGAGCCGCTATCACGCCCGGGGT
GGCCATAGCTCCTGGGGTTGCAACAGCTTCCACAGGCATCCTGGCCCCCGGAGCTGCGACCGCAACCGTA
GGGAACACTTCATCAACTACCATCACAGCTGCCACTGCCGCCGAAGGCGCCGCTCCTCATTTCACTTTTC
AGCTGCCAGATGTTGAGAGCGAGTCCGAGAGTGAGTCACTCGAGTTTGACGTCGTAACCTCCACTCTGGA
CTCCCTGCTCGTAAGCGACGACGAGGACGAGGATGATTTTCTCCGGCGATCTAGCAGCAGTTCCTCACTG
AATGAGTCCGAGTTTGATAACACGAACAGTAGTAGACGCCTTCCTATATTTTCCAGATTCAGTGATTCTG
AGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

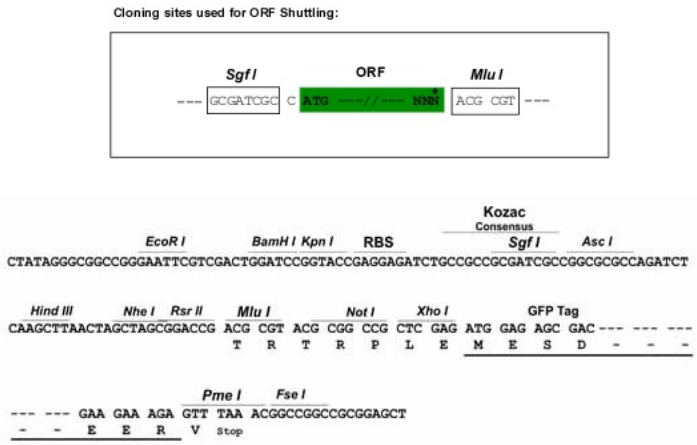
>MG215399 representing NM_001009549
Red=Cloning site Green=Tags(s)

MANNNLNRPLNTNVADSSNSSSTPGTAPPPSSSDPQVLGHQAPSSSASSLTEDCSSSFARDLNSYNNGQS
GATGAVSWEAPHEPSEANAVSQIHPRNGEHSLQQKPKPQKVSGSSSLATSERYKTELCRPFEESGICKYG
HKCQFAHGYRELRTLSRHPKYKTEPCRTFHSVGFCPYGTRCHFIHNQPEQQPVLSESTLEEPSSFNGSNV
LHLGVNGEQQPGLQSDSPSGFLSVNSQALQAPLQLNQQALSSGGVMPSSHPAAANLRMMCCRTSSSTTAH
DADKDPDKDADKDPSNNSANDALAFPQEPGDFSPVAFQNPNTATTTPTAFYNNQQQMGLAASAQFQMPLA
RPLPSATIFGQASVGPALTPGAAMAPGAALAPAAALTPAAALAPGAAMALGAAMATGAAMATGAALTPGA
ALALGAAMAAGAALAPGAAMAPGAAMATGAALAFGAAMATGTTLTPGAAMALGAAMATGAALAPGAAVAP
RAALAPRAAFAPGAAALAPRAALPPGAALTPGAALAPGAALAPRAALPPGATLRPGAALIPRAALAPGAA
LAPGAALTPGAALAPGATLAPRAALAPGAALAPRITITSRAAITPGVAIAPGVATASTGILAPGAATATV
GNTSSTTITAATAAEGAAPHFTFQLPDVESESESESLEFDVVTSTLDSLLVSDDEDEDDFLRRSSSSSSL
NESEFDNTNSSRRLPIFSRFSDSEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001009549

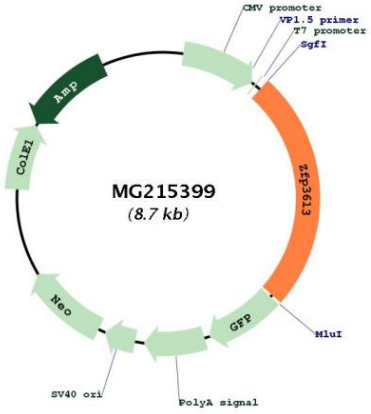
ORF Size: 2175 bp

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_001009549.2, NP_001009549.1
RefSeq Size:	2613 bp
RefSeq ORF:	2178 bp
Locus ID:	333473
UniProt ID:	Q5ISE2
Cytogenetics:	X A5
Gene Summary:	Placenta-specific zinc-finger RNA-binding protein that destabilizes cytoplasmic AU-rich element (ARE)-containing mRNA transcripts by promoting their poly(A) tail removal or deadenylation, and hence provide a mechanism for attenuating protein synthesis (PubMed:15814898, PubMed:26952984). Binds to the 3' UTR ARE of placental target mRNAs, such as TNF, HBEGF and LIPG (PubMed:15814898, PubMed:18367448, PubMed:26952984). Involved in placental expression of many genes important for normal placental physiology (PubMed:26952984).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215399