

Product datasheet for MC223142

Zfp516 (NM_001177464) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zfp516 (NM_001177464) Mouse Untagged Clone
Tag: Tag Free
Symbol: Zfp516
Synonyms: C330029B10Rik; D230016L03; mKIAA0222; Zfp26l; Znf516
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223142 representing NM_001177464
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCGCAGCAGAGAGGCTGAGATGGAGCTGAGGAGAGGACCCAGCCACCCAGGGCTGGCAGGAGCC
 ACGAAGTGGATGGGACAAGGCTGCCTGCCACAGCTGCTGCATCTGTGGCAAGAGCTTTCCTTTCCAGAG
 CTCCTGTACAGCACATGCGCAAGCACACGGGAGAGAAGCCCTACAAGTGTCCCTACTGTGATCACAGG
 GCTTCCAGAAGGGCAACCTCAAGATTCATATCCGCAGCCACCGGACAGGAACTCTGATTCAGGGGCAGG
 AGCCAGAGGGCGGAGAGGCTCAGCTGGGTGAGATGCGTGTCTCTGAGGGCCTGGATGGGTGTGCCAGCCC
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 CTCAGGAGCAGCCGAAGGAGGTGGAGGGTGCAGCCAGCGCCAGGAAGACACTGAGGCCACGGTGCCGT
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 CACATCACCGCACAGGTGCCAATGGCAGCGAGGCCTGTGTGGAGAACGGCAAACCTGAGCTGAGCCCTG
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 ACACCGGGCTCCTTTGACCACGGCTGCCACATCTGCGGCGGAGATTCAAAGAGCCTTGGTTCCCTCAAG
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 GAAGAGGGCCAGTGTACCTGGGGACCCATGCTTCTGGCCACCTTGATCCCCGGCAACCTCACGCCCC
 AACCGCAGGGCCTCGGCCACCACTGGCCAGGGCAAGTCTCTGAGTGCTCGAGTGCGGCAAGATCTTCC



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GCACCTACCACCAGATGGTGTCTCCACTCCCCTGCGTGCACCGCCGTGCACGCCGTGACAGGGATCCTGAAGG
GGACAGAGCAGCGGTGCCCGTTGCGGTTCACTCAGCGAGGGTGAAGTCCGCTTCCAGCCAAAGCAGCCCT
GGCTCAGCCTGCGCCATTGCTGACTCCCCTGGCTGGCTGAGGAAGTGGTGGATGACAGTGGTGAAGAGG
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CCCAGCCCTCGGCCAATAGCAAACAGTGGAGAACTCGGGGGCCAGCAGTGGGGACTGGCTTTACCC
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TTGAAAGTGGAAGGAGGCTCTCTCTACCTCCCGAGAACCTCTGTGAAGGCGGCCAGGAGCTGAGAA
CACTAGCCACCTGCGCAGCGGGTCCAGAGGGGAGGCGCCTTGAAGCCCACTGGTGGCCTCCCAC
CTTAAACTCCGCCAAGCAGGAGCCGGCAGCTGAGGGGCAGGAGAAGCGCTTGGATATCCTCAGTATCTTT
AAGACGTACATTCAAAGGACTTCCGCACCTCTACCAGGGCTGGGGTGTGAGCAGCCCTGGGCCCGAGC
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CGGCAAGAGTTTTCCATCAGCCAGCCAACTCAGGGCCACCTTCGGGCACACAGTGGTGTGAGTGT
GACGGTCCACGAGATTCTGAAGTTCACACAGCCTCCACGGATGCCCTAAACAAGGGAGAGACCATACTA
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ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001177464
- Insert Size:** 3474 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001177464.1](#), [NP_001170935.1](#)

RefSeq Size: 7703 bp

RefSeq ORF: 3474 bp

Locus ID: 329003

UniProt ID: [Q7TSH3](#)

Cytogenetics: 18 E3

Gene Summary: Transcriptional regulator that binds to the promoter and activates the transcription of genes promoting brown adipose tissue (BAT) differentiation. Among brown adipose tissue-specific genes, binds the proximal region of the promoter of the UCP1 gene to activate its transcription and thereby regulate thermogenesis. May also play a role in the cellular response to replication stress (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.