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Product datasheet for MC217394

Zbtb18 (NM_013915) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb18 (NM_013915) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb18
Synonyms:	RP58; zfp-238; Zfp238; Znf238
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	SgfI-MluI
ACCN:	NM_013915
Insert Size:	1569 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_013915.3, NP_038943.3

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RefSeq Size:	4954 bp
RefSeq ORF:	1569 bp
Locus ID:	30928
UniProt ID:	Q9WUK6
Cytogenetics:	1 H4
Gene Summary:	Transcriptional repressor that plays a role in various developmental processes such as myogenesis and brain development. Specifically binds the consensus DNA sequence 5'-[AC]ACATCTG[GT][AC]-3' which contains the E box core, and acts by recruiting chromatin remodeling multiprotein complexes. Plays a key role in myogenesis by directly repressing the expression of ID2 and ID3, 2 inhibitors of skeletal myogenesis. Also involved in controlling cell division of progenitor cells and regulating the survival of postmitotic cortical neurons. May also play a role in the organization of chromosomes in the nucleus.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and has a coding region difference, compared to variant 1. These differences cause translation initiation at a downstream ATG and an isoform (2) with a shorter N-terminus compared to isoform 1.