

Product datasheet for MC207872

Zfp365 (NM_178679) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp365 (NM_178679) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp365
Synonyms:	AI839779; AV340892; DBZ; Su48; talanin; Znf365
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207872 representing NM_178679 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCAACAGACGACTTTTGAGGAAAGCCGGTACCATTGGCAGGACTCGCTGGAGAATGTCGCTGTGTGCC
TGCCATTCGCTGCCGAGGTGTGGAGACCATAACCAGATTTAGAAGCTTGTATCCTTGAGGGCCCATCT
GGAATTCAGTCACAGCTACGAAGAGCGGACCCTCTGACAAAATGCAGCCTCTGCCCTCTCTCAAGGAC
ACAGAGCTTCTCAGGTCTCGAACTCCGAAGCAGGGAAGTACTCCGGGGCCACGAAAGGTGACCA
AGCAGAAGTCGAGCTATGTTAACTTGTACAGCATCTCCACGGGCACTCCAAGGACACGAAACCTTTGA
GATGGTGGCAGAGAGGCCCGTGTCTATGTGCAGACCTACACGGCCGTGGACATCCGGGCTGACTCTCTG
GATGCTCCCTGCCCCAGCCCTGGTCTCCCCACCAAGATACCAAAGCTGCTTTCGAGGCTCACGTCCGAG
AAAAGTTCAATCGCATGGTAGAGGCCGTGGACAGGACCATCGAGAAGAGAATCGACAAACTACCAAAGA
GTTGGCCAGAAAACCGCCGAAGTGTGGAAGTCCGGGCAGCCTTTGCGCAGCTGACTCAGAAGAAGCAG
GAGGTCCAGAGGAGAGAGCGGCCCTGAACAAACAGGTAGATGTGGCCGTGGAATGATCGCAGTGCTGA
AGCAGCGTCTGACGGAATCCGAGGAGGAGCTCTGAGGAAAGAGGAAGAAGTCGTACATTCAACCATTT
CCTGGAGGCAGCGCTGAGAAGGAGGTTCAAGGAAAAGCAGGCTCCAGGACTTTATTGAAAATCTGCTG
CAACGGGTAGAATTGGCGGAGAAGCAGTTGGAATATTATCAAAGCCAGCAAGCCTCCGGTTTTAGCTGTG
ACACTAGTGAGCATATGCTCACAGACATCCCATCGAACAGGAAGCCAGATGCCTAAGCCGAGGGCAGCA
GATTCTGTTTGAACCATCCTGAGATGAGGGCCATTTCATCTGAAGGGGAGAAGCTACCTGAAGAAA
GCCAAGGATGAGCGAGCCGGATGCAGCCGCCAAGGCCATTACGAACCGGCTGAGTCTCCAAGAGAAT
TCTTCAGACCAGCCAAGAAAGGGGAACCTGGGTCTGAGCCGGAAGGAATTCAGGCCCAAAATGGC
TAAAAAGAAGCCTACAGCAATCGTGAATATCATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178679
Insert Size:	1227 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:	<u>NM_178679.2, NP_848794.1</u>
RefSeq Size:	4279 bp
RefSeq ORF:	1227 bp
Locus ID:	216049
UniProt ID:	<u>Q8BG89</u>
Cytogenetics:	10 B5.1
Gene Summary:	Contributes to genomic stability by preventing telomere dysfunction (PubMed:23776040). Involved in the morphogenesis of basket cells in the somatosensory cortex during embryogenesis (PubMed:23912123). Involved in the positive regulation of oligodendrocyte differentiation during postnatal growth (PubMed:24481677). Involved in dendritic arborization, morphogenesis of spine density dendrite, and establishment of postsynaptic dendrite density in cortical pyramidal neurons (PubMed:25983680). Involved in the regulation of neurogenesis. Negatively regulates neurite outgrowth. Involved in homologous recombination (HR) repair pathway. Required for proper resolution of DNA double-strand breaks (DSBs) by HR. Is required for recovery of stalled replication forks, and directly contributes to genomic stability. Interacts with PARP1 and mediates MRE11-dependent DNA end resection during replication fork recovery (By similarity).[UniProtKB/Swiss-Prot Function]