

Product datasheet for **MC217469**

Zfp932 (NM_145563) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp932 (NM_145563) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp932
Synonyms:	2310001H12Rik; Znf431
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217469 representing NM_145563
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGATGCATTGACCTATGATGATGTGTATGTGAACCTCACTCAAGAAGAATGGCCTTTGCTGAATC
 CTTACAGAAAGTCTCTACAAAGATGTGATGTTGGAGACCTACAGGAACCTCAATGCTGTAGGCTACAA
 TTGGGAAGACAGTAATATTGAAGAACATTGTGAAAGCTCCAGAAGACATGGAAGGCATGAAAGAAATCAT
 ACTGGAGAGAAACCTACGAAGGTATTCAATATGGTGAAGCCTTTGTTTCACACAGTAGTCTACAAATGC
 GTAAAATAATACATACTGGAGAGAAACGCTACAAATGCAATCAATGTGATAAAGCCTATTCACGACACAG
 CATTCTACAAATACATAAAAGAACACATAGTGGAGAGAAACCTATGAATGTAATCAATGTGGTAAAGCC
 TTTACACAACACAGTCATCTCAAATACATATGGTTACACATACTGGAGAGAAACCTTACAAATGTGATC
 AATGTGGTAAAGCCTTTGCATTCCATAGTACCCTCCAAGTACATAAAAGAACACATACTGGAGAGAAAC
 CTATGAATGTAATCAGTGTAGTAAAGCCTTTGCACATCATTGTGATCTCCGAGTACATAAAAGAATACAC
 ACTGGAGAGAAACCTTACAAATGTGATCAATGTGGTAAAGCCTTTGTAGGTCAGAATGATCTTAAGAGAC
 ATGAAAGAGTTTACTACTGGAGAGAAACCTTACAAATGCAATGAATGTGGTAAAGCCTTTGTATGTAATGC
 CAGTCTCCGTACACATAAAACAACATACTGGAGTAAACCTTATGAATGTAAGCAGTGTACTAAATCC
 TTTGCCTCTCATGGTCAACTTCAAAAACATGAAAGAATTCATACTGGAGAGAAACCTTACAAATGTGATC
 AGTGTGGTAAAGCCTTTGCCTCTCATGATAAAATTTCAAAAACATGAAAGAATTCATATTGGAGAGAAAC
 TTACAAATGTAAGCAATGTAATAATCCTTTGCCTCTCATGATAAACTTCAAAAACATGAAAGAATTCAT
 ACTGGAGAGAAACCTTATGAATGTAAGCAATGTAATAATCCTTTGCCTCTCATAATAAACTTCAAAAAC
 ATGAAAGAATTCATACTGGAGAGAAAGCCTTACAAGTGTGATCAATGTAATAAAGCCTTTGTATGAAAG
 TTATTTACAAGTTCATAAAAAAACACATACTGGAGAGAAACCTTACAAATGTAATGAATGTGGTAAAGCC
 TTTGCACGACACAGTCATCTCAAAGTGCATAAAATAACACATACTGGAGAGAAACCTTACAAATGTAATC
 AATGTGGTAAAGCCTTGCATATCATAGTACACTCCAAGTACATCAAAGAACACATACTGGAGAGAAAGCC
 CTATGAATGTGAGCAATGTGGCAAAGCCTTTGCAATCAAAGTTATTTCCAAGTACATAAAAGAATACAT
 ACTGGAGAGAAACCTTACAAATGTGATCAATGTGGTAAAGCCTTTGTAGGTTCAAGTGTCTTAAAGAC
 ATGAAAGAGTTCATACTGGAGAGAAACCTTACAAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_145563
- Insert Size:** 1581 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_145563.2](#), [NP_663538.2](#)

RefSeq Size: 2075 bp

RefSeq ORF: 1581 bp

Locus ID: 69504

UniProt ID: [E9QAG8](#)

Cytogenetics: 5 F

Gene Summary: Sequence-specific DNA binding transcriptional repressor. Represses target gene transcription by recruiting HDAC1 and HDAC2 histone deacetylases. Acts as a specific transcriptional repressor for PTCH1 during embryonic development. Required for osteoblast differentiation and sonic hedgehog/SHH signaling response. Binds to the consensus site 5'-GCGCCC-3' in the promoter of PTCH1.[UniProtKB/Swiss-Prot Function]