

Product datasheet for **MR208440**

Zfp932 (BC012405) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp932 (BC012405) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp932
Synonyms:	2310001H12Rik; Znf431
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR208440 representing BC012405
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGGATGCATTGACCTATGATGATGTGTATGTGAACCTCACTCAAGAAGAATGGCCTTGTCTGAATC
 CTTACAGAAAGAGTCTCTACAAAGATGTGATGTTGGAGACCTACAGGAACCTCAATGCTGTAGGCTACAA
 TTGGGAAGACAGTAATATTGAAGAACATTGTGAAAGCTCCAGAAGACATGGAAGGCATGAAAGAAATCAT
 ACTGGAGAGAAACCTACGAAGGTATTCATATGGTGAAGCCTTTGTTTCACACAGTAGTCTACAAATGC
 GTAAAATAATACATACTGGAGAGAAACGCTACAAATGCAATCAATGTGATAAAGCCTATTCACGACACAG
 CATTCTACAAATACATAAAAGAACACATAGTGGAGAGAAACCTATGAATGTAATCAATGTGGTAAAGCC
 TTTACACAACACAGTCATCTCAAATACATATGGTTACACATACTGGAGAGAAACCTTACAAATGTGATC
 AATGTGGTAAAGCCTTTGCATTCATAGTACCCTCCAAGTACATAAAAGAACACATACTGGAGAGAAAC
 CTATGAATGTAATCAGTGTAGTAAAGCCTTTGCACATCATTGTCTCCTCGAGTACATAAAAGAATACAC
 ACTGGAGAGAAACCTTACAAATGTGATCAATGTGGTAAAGCCTTTGTAGGTCAGAATGATCTTAAGAGAC
 ATGAAAGAGTTCATACTGGAGAGAAACCTTACAAATGCAATGAATGTGGTAAAGCCTTTGTATGTAATGC
 CAGTCTCCGTACACATAAAACAACATACTGGAGTAAACCTTATGAATGTAAGCAGTGTACTAAATCC
 TTTGCCTCTCATGGTCAACTTCAAAAACATGAAAGAATTCATACTGGAGAGAAACCTTACAAATGTGATC
 AGTGTGGTAAAGCCTTTGCCTCTCATGATAAATTTCAAAAACATGAAAGAATTCATACTGGAGAGAAAC
 TTACAAATGTAAGCAATGTAATAATCCTTTGCCTCTCATGATAAACTTCAAAAACATGAAAGAATTCAT
 ACTGGAGAGAAACCTTATGAATGTAAGCAATGTAATAATCCTTTGCCTCTCATAATAAACTTCAAAAAC
 ATGAAAGAATTCATACTGGAGAGAAACCTTACAAGTGTGATCAATGTAATAAAGCCTTTGTATATGAAAG
 TTTTACAAAGTTCATAAAAAAACACATACTGGAGAGAAACCTTACAAATGTAATGTAATGTAAGCC
 TTTGCACGACACAGTCATCTCAAAGTGCATAAAATAACACATACTGGAGAGAAACCTTACAAATGTAATC
 AATGTGGTAAAGCCTTTGCATATCATAGTACACTCCAAGTACATCAAAGAACACATACTGGAGAGAAAGCC
 CTATGAATGTGAGCAATGTGGCAAAGCCTTTGCAATCAAAGTTATTTCCAAGTACATAAAAGAATACAT
 ACTGGAGAGAAACCTTACAAATGTGATCAATGTGGTAAAGCCTTTGTAGGTTCAAGTGTCTTAAAGAC
 ATGAAAGAGTTCATACTGGAGAGAAACCTTACAAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208440 representing BC012405
 Red=Cloning site Green=Tags(s)

MVDALTYDDVYVNFQEEWALLNPSQKSLYKDVMLETYRNLNAVGYNWEDSNIEEHCESSRRHRGRHERNH
 TGEKPYEGIQYGEAFVHSSSLQMRKIIHTGEKRYKCNQCDKAYSRSILQIHKRTHSGEKPYECNQCGKA
 FTQHSHLKIHMVTHTEKPYKCDQCGKAFVHSTLQVHKRTHTEKPYECNQCSKAFVHCHLRVHKRIH
 TGEKPYKCDQCGKAFVQNDLKRHERVHTGEKPYKNECGKAFVFNASLRTHKTTHTGVKPYECKQCTKS
 FASHGQLQKHERIHTGEKPYKCDQCGKAFVSHDKFKHERIHTGEKPYKCKQCTKSFASHDKLQKHERIH
 TGEKPYECKQCTKSFASHNKLQKHERIHTGEKPYKCDQCNKAFVYESYLQVHKKTHTEKPYKNECGKA
 FARHSHLKVHKITHTEKPYKCNQCGKALAYHSTLQVHQRTHTGEKPYECKQCGKAFANQSYFQVHKRIH
 TGEKPYKCDQCGKAFVGSDDLKRHERVHTGRETLMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

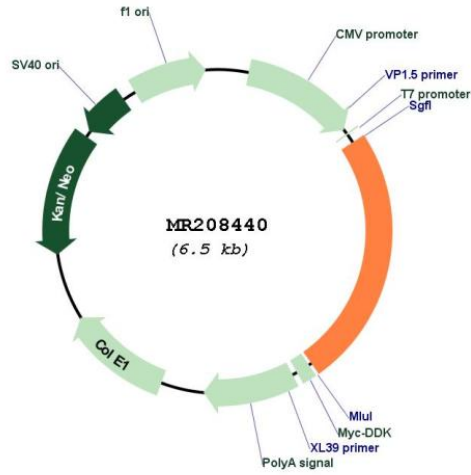
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	BC012405
ORF Size:	1578 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:	<ol style="list-style-type: none">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:	BC012405
RefSeq Size:	2113 bp
RefSeq ORF:	1580 bp
Locus ID:	69504
Cytogenetics:	5 F
MW:	77.4 kDa
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]