

Product datasheet for **MC220380**

Zfp568 (NM_001033355) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp568 (NM_001033355) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp568
Synonyms:	C80731; chato; Gm1691; Znf568
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220380 representing NM_001033355
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCGCTTGCCAGATGGCAGGAAGAAGAGCTTGGTGTGCCGAGGATTCTGTACCTCGCCAGGAAG
 AAGAAGACAGGACCAGGCCCTTCAAAAACAGTGACATTC AAGGATGTGGCTGTGGACCTCACACAGGAGGA
 ATGGCAGCAAATGAAGCCTGCTCAGAGGGCTTTGTACCGAGATGTGATGCTGGAGACCTACAGCAACCTA
 GTAACCGTGGGTTGTCAAGTCACCAAACAGATGTGATCTTCAAGTTGGAACAAGCAGAGGAGCCATGGG
 TACTGGAGGAAGAGATGTTTTGGAGACGCTCTCCAGAAGCCGCAAGAGGAAGAATGAAGAGTTTTGCCTT
 TAAGGACATGGCCAAGGATCTGAGGTTGAGGATGTGGTCATTTACTTCTCTCTGGAGGAGTGGGAGTGC
 TTGCGCCATTCCACAGGAATCTGTACCGAGCTGTGATGTTGGATAACTACAGCAACCTGCTGCTACTGA
 GTCTTGCTGATACTAAGCCACGGGTGGTCTCCCTTCTAGAACAGGGCAAAGAGCCCTGGATGTTATGAG
 GAATGAGACAAAAATTTGGCATCTGATTGGGTGTCTAGGACAGAAGCCAAGGACAGTTCAAAAATTA
 ACATTGCAAGAAAAGATGGCAAAAAACACACATGCCCCACTCTTGAGGACAGCAAGACCAGAGGGGACA
 GAGAAGTCACACGTGAGCTGGAGGGTCAACAGGTCATCAGGAGGGACACTTGAGGCAAGCTGCAGTAAC
 CTCTGTGAGAGGCGCTGATTCTGTCCAGTGCACAGCCATAGGGAGGCTCACCTGGAGGAAAAACCTGC
 AGCTCTGAGAAAAGTCAGAAAACGTCCCTGTGCCAGCCACCTCCCATTGAACGTGAGCAACTTCACAGTA
 AGGCAAAGGCCAGTGAGCATGCACAGCATGGCAAGGTCTTTAATAGTGCACGTGAGACACGGCTGTGCA
 TCCGAGACCCAGGAAAGCAGAAAAGACAGTGAGAGGAAGAAAAGTGGCCTTGTGGTGGTCTGACACC
 TCGAAACCTCAGAGCGCTCAGGGGAGTGAGAGGCCACATAAGTGAAGGAATGCGGGAAGGCCTTCCACA
 CTCCCTCCCAGCTCAGTACCATCAAAGCTGCATGTGGGTGAGAAGCCCTACAAGTGCCAAGAGTGTGG
 AAAGGCTTCCCGCTAACGCCACGCTTAGTCTTACCATAGAGTTCACTGATGAGAAGTCTTTGAA
 TGCAAGGAGTGCGGGAAGCCTTCATGCCCCATCACACCTGCTCCGGCACCGCATCCACACTGGGG
 AGAAGCCTCACAAGTGAAGGAGTGCAGGGAAGGCCTTCCGCTACGACACACAGCTCAGCCTGCACCTGCT
 CACGCATGCTGGGGCACGGCGCTTTGAGTGAAGGACTGTGACAAGGTGTATAGCTGTGCCTCCCAGCTC
 GCTCTCCACCAGATGTCACACTGGGGAGAAGCCCCACAAGTGAAGGAGTGTGGGAAAGGCTTCACTCT
 CTGACTCACACCTTCTTCGCCATCAGAGTGTTCACACTGGCGAGACGCCCTATAAGTGAAGGAGTGTGG
 CAAAGGCTTCCGTCGTGGTTCAGAACTTGCCCGCATCAGAGAGCCATTCTGGCGATAAACCTACAAG
 TGTAAGGAATGTGAAAGTCCTTCACTTGACCACAGAGCTCTTATAGACATCAGAAAGTTCACACTGGTG
 ATAGACCCACAAATGT AAGGAGTGTGGGAAGGCCTTATCCGAAGATCAGAGCTGACACATCATGAAAG
 AAGCCACAGCGGTGAGAAACCTATGAGTGC AAAGAGTGTGAAAAGACCTTCGGCCGAGGCTCAGAGCTC
 AGTCGACACCAGAAAATCCACACCGGTGAGAAGCCCTATAAGTGCCAGCAATGTGGGAAGGCCTTTATTC
 GTGGCTCTCACCTTACCAACATCAGAGGATTCATACAGGACGGAGGAGTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033355
- Insert Size:** 2016 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_001033355.3](#), [NP_001028527.2](#)

RefSeq Size: 7195 bp

RefSeq ORF: 2016 bp

Locus ID: 243905

UniProt ID: [E9PYI1](#)

Cytogenetics: 7 B1

Gene Summary: Has transcriptional repression activity, partially through the recruitment of the corepressor TRIM28 but has also repression activity independently of this interaction (PubMed:22110054, PubMed:27658112). Essential during embryonic development, where it acts as direct repressor of IGF2-P0, placental-specific transcript of IGF2, in early development and regulates convergent extension movements required for axis elongation and tissue morphogenesis in all germ layers (PubMed:18701545, PubMed:22110054, PubMed:28522536). Also important for normal morphogenesis of extraembryonic tissues including the yolk sac, extraembryonic mesoderm and placenta (PubMed:18701545, PubMed:21094155). May enhance proliferation or maintenance of neural stem cells (PubMed:23071813).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1, and encodes isoform (1). Variants 1 and 2 encode the same protein.