

Product datasheet for **MR215187**

Zfp568 (NM_001167872) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp568 (NM_001167872) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide
Sequence:**

>MR215187 representing NM_001167872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGCGCTTGTCCAGATGGCAGGAAGAAGAGCTTGGTGTGCCGAGGATTCTGTACCTCGCCAGGAAG
 AAGAAGACAGGACCAGGCCTTCAAAAACAGTGACATTCAGGATGTGGCTGTGGACCTCACACAGGAGGA
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Protein Sequence: >MR215187 representing NM_001167872
 Red=Cloning site Green=Tags(s)

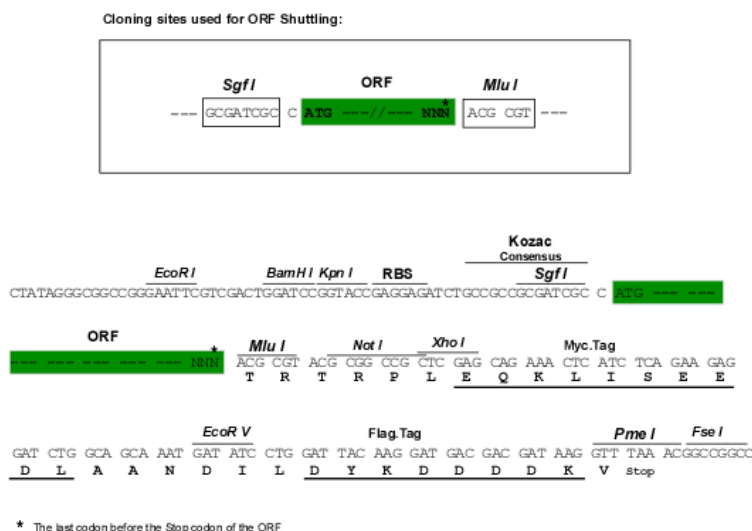
MERLSQMAGRAWCAEDSVPRQEEEDRTRPSKTVTFKDAVDLTQEEWQMKPAQRALYRDVMLETYSNL
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 SKPQSAQGSERPHKCKEKGAFHTPSQLSHHQKLHVGEKPYKCKEKGAFPSNAQLSLHHRVHTDEKCFE
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 ALHQMSHTGEKPHKCKEKGKGFISDHLRLHQSVHTGETPYKCKEKGKGFRRGSELARHQRAHSGDKPYK
 CKECGKSFCTTELFRHQKVHTGDRPHKCKEKGAFIRSELTHHERSHSGEKPYECKEKGKTFGRGSEL
 SRHQKIHTGEKPYKCKEKGKAFIRGSHLTQHRIHTGRRSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001167872

ORF Size: 2013 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:

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_001167872.1](#), [NP_001161344.1](#)

RefSeq Size: 7202 bp

RefSeq ORF: 2016 bp

Locus ID: 243905

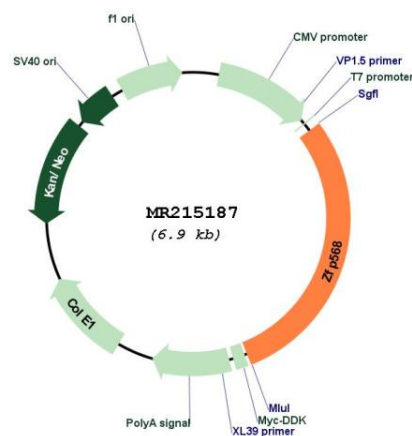
UniProt ID: [E9PYI1](#)

Cytogenetics: 7 B1

MW: 77.1 kDa

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]

Product images:



Circular map for MR215187