

Product datasheet for **MC225338**

Zfp462 (NM_172867) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp462 (NM_172867) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp462
Synonyms:	6030417H05; 9430078C22Rik; Gt4-2; Zfpip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225338 representing NM_172867 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTGCTTCAGTGCATGGCTGTGACTTCCGAGCCCCATCTTACGAAGATCTCAAGGCACACATCC
AGGATGTCCACACGGCATTCTTACAGCCAACTGATGTTGCCGAGGACAATGATGACGAGCCACTATCTGG
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CAGTGTACACGGGTACGTCGGATTGGGATACTGTGAATTCTCAAAGCGAAAGCCTGTCTTCTCGTTGA
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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_172867

Insert Size:

7488 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: [NM_172867.3](#), [NP_766455.2](#)

RefSeq Size: 10514 bp

RefSeq ORF: 7488 bp

Locus ID: 242466

UniProt ID: [B1AWL2](#)

Cytogenetics: 4 B2

Gene Summary: Zinc finger nuclear factor involved in transcription by regulating chromatin structure and organization (PubMed:20219459, PubMed:21570965). Involved in the pluripotency and differentiation of embryonic stem cells by regulating SOX2, POU5F1/OCT4, and NANOG (PubMed:21570965). By binding PBX1, prevents the heterodimerization of PBX1 and HOXA9 and their binding to DNA (PubMed:17353115). Regulates neuronal development and neural cell differentiation (PubMed:21570965, PubMed:27621227).[UniProtKB/Swiss-Prot Function]