

Product datasheet for MC223039

Zfpm1 (NM_009569) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfpm1 (NM_009569) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfpm1
Synonyms:	FOG; Fog1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223039 representing NM_009569 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGGAGAAACAGAGCAATCCCCGGCAGATCAAGCGTTCCCTCAGAGACATGGAGGCCGGAGAAG
AAGCCAAGGCCATGGACAGCAGCCCCAAGGAGCAGGAAGCCCCAGACCCAGAGGCCCCAGCCATAGAGGA
GCCCCAAGTCCACCCAGAGAAGATGTGAGCCACCTGCAGTGCCGGCACCTCCGGAGTCCCAGAAGAT
CCTGAGGACATGGAGGGCAGGAGTTGGAGATGAGGCCCCAGGATGAAGAGAAAGAGGAAAAGGAAGAAG
AGGCAGCCATGGCTAGTCCCTGGAGTGGGCCAGAGGAGCTGGAGCTGGCACTGCAGGATGGCAGAGGTG
CGTGCGCGCCCGCTGAGCCTCACTGAGGGCCTATCCTGGGGCCATTCTACGGGAGCATCCAGACCAGA
GCCTTATCCCCTGAGAGAGAAGAACCAGGCCAGCTGTGACCCTGATGGTGGATGAGAGCTGCTGGCTAA
GGATGCTGCCCCAGGTCCTAACTGAAGAAGCCGCAACTCAGAGATCTACAGGAAGGATGACGCCCTCTG
GTGCAGGGTTACCAAAGTGGTGCCTTCTGGTGGACTGCTATATGTGCGCCTTGTCAACCGAGCCCCATGGT
GCTCCAGACACCCTGTGCAGGAACCACTAGAACCTGGAGGCTTGGCCCCAGTGCACACCCGACATCCAGC
TGCTGCCCCAGCAGGCTGGCATGGCATCCATCCTTGTACCGCAGTCATCAACAAGGACGTCTTCCCCTG
CAAAGACTGCGGGATCTGGTACCGTAGTGAGCGGAACCTGCAAGCCCACCTGCTCTACTACTGTGCCAGC
CGCCAGCGTGACAGGCTCCTGTCTCGGCGACGGAAGAGAAACCCAAAGAGACCTACCCCAATGAGCGGTG
TCTGCCCTTCCCCAGTGCCGAAAGAGCTGCCCCAGCGCCAGCTCGCTGGAGATCCACATGCGCAGGCCA
CAGTGGAGAGCGCCCTTCGTGTGCCTCATCTGCCTGTGCGCCTTCAACCAAGGCCAACTGTGAACGC
CATCTCAAGGTGCACACAGACACGCTCAGCGGTGTCTGTCACTGTTGCTTATCCACCACAAGGG
ACATCCTCTACAGTACCTGGTGAACAACCATGGTGTGCCAGCCAGGCTCCAAGGGTGGAGATCTACTC
ACCAGGGGCTGGACACCCAGCAGCCAACTTCTCCAGACAGCCTGGCAGGCTTTCAACAGCACTCGCTG
ATGCACAGCCCCCTGGTCCCCTGACAAGGCACCCACCCATCCTCAGGACTGGACAGTAAGGCCGAAG
TCACCAACGGAGAGACCAGAGTCCCCCCCCAAAATGGGGGAGCAGTGAAGTCCCCTGCAGCCCCAGGAC
CATCAAGGTGGAGGCTGCAGAGGAGCCTGAAGCCACCCGTGCCTCCGGTCCGGGAGAGCCAGTCCCCAG



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GCTCCGTCTCGGACACCTTCACCACACAGCCCAATCCAGTCAGGGTGAAGACAGAACTGTCCAGCCCCA
 CGCCTGGCTCTAGCCCAGGGCCGGGAGAGCTAACAAATGGCCGGGACACTTTTCTGCCACAATATGTGTT
 CAGTCCGGACGCGGGCACAACCACCGTCCCTACGGCGCCACAGGCCTCGGAGATCCTGGCCAAGATGTCC
 GAGTTGGTGCACAACCGGCTACAGCAGGGTGCAGGGAGCTCCGGCGCAGCGGGAACCCACTGGCCTCT
 TCTCGGGACTAAGGGTGCCACGTGCTTTGAGTGCAGATCACCTTTAACAAATACAACAACCTTCTATGT
 GCACAAGCGCCTCTACTGCTCGGGCCGCGCGCCGAGGACCCGCCACTGTGCGCAGACCCAAAGCG
 GCCACCCGCCCCGCGCCGCGCCGAGGTGCCGCGCAGAGCCAGACCCGTACGCTCGTCGCGGGGGC
 CCGGGCCACGAGAGGAAGAGGCGAGTGGCACGACTACTCCGGAGGCCGAGGCCGCGGGCCGGGCGAGCGA
 GGGCAGCCAGAGCCGGGCGAGTCCGTAGACGACGACGAGGACGATCCGAGCCGACGCTGTGCGAGGCC
 TGCAACATCCGGTTTAGCCGCCACGAAACCTACACTGTGCACAAGCGCTACTACTGCGCCTCGCGCCACG
 ACCCGCCCGCGCCGGCCACCCGACCCACGACCCGCGCCGAGCCCGGGACCCGCGGCTCTGCGTGACAGCGCC
 ACCCGTGCACGCGCCGGCGTGCAGCTGTACGAGCTGCCCGAGCTGGCGCCCCGCCCCAGCCGCA
 GGCCCCGCCCTGTGCCAGTTGTACCCTCCCCACTGCGGAGCTGCCCTTTCTCCGAGACCTGGGAGCG
 CCAGCGCCGGCCCTGCCCGCGCTCTCTCCGAGCCCGTCCCCGACGGCCCATAGACCTGAGCAAGCG
 GCCGCGTGCAGAGCCGGATGCACCAACAGCTCTGCCGCGCTGGCCGACTACCAGAGTGTACCGCA
 TGTGCGTAAGCTTCCACAGCCTCGAAGCTTACCTGGCTCACAAGAACTACTCATGCCCGCCGCGCCTT
 TGCGCACCACTGCCCTCTGCCCTACTGCCGCCAACGGGCGCGTTGCGGGCGACCTGGTTGAGCATT
 GCGCCAGGCACACGGCCTGCAGGTGGCCAGCCAGCGCCAGCCCGGGCGCTGAGCCCCGCACACCTGCC
 GAGCGTGTCCGCGGACAGCCCGACGGCCGCGCACCACGCTCTCTTCCCCTGCTCCCGAGAATACGC
 CTTCTGACCCAGCAGATCAAGGCGCTCGGACCCAGCAAGGGCCCGCCAGCTCTGCTCCTGCGCCGGG
 TGGTGGTGGCGCCACCCTACTGCCGCTGTGCAACATCAGGTTGAGCAGCCTGTCCACTTTCATCGCG
 CACAAGAAGTATTACTGCTTTCTACGCCCGCCGAGCACGTAAGTGA

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009569
- Insert Size:** 2988 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_009569.3](#), [NP_033595.1](#)
- RefSeq Size:** 3393 bp
- RefSeq ORF:** 2988 bp

Locus ID: 22761

UniProt ID: [O35615](#)

Cytogenetics: 8 E1

Gene Summary: Transcription regulator that plays an essential role in erythroid and megakaryocytic cell differentiation. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA1, GATA2 and GATA3. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. The heterodimer formed with GATA proteins is essential to activate expression of genes such as NFE2, ITGA2B, alpha- and beta-globin, while it represses expression of KLF1. May be involved in regulation of some genes in gonads. May also be involved in cardiac development, in a non-redundant way with ZFPM2/FOG2.[UniProtKB/Swiss-Prot Function]