

## Product datasheet for **MC223080**

### Zfpm2 (BC059241) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfpm2 (BC059241) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfpm2
Synonyms:	FOG-2, FOG2, B330005D23Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC059241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCCAGGAAAGCAGAGTAAACCCCGGCAGATCAAACGGCCGCTGGAAGATGCCATCGACGACGAGG  
AAGAAGAGTGTCCGGTGGAGGAAGCCGAAGTCATCTCGAAAGCGACTTCCACTGGAGGGAAGCTTCCC  
CGCAGGCTTTGAGCCGAAAATCTGAGCTGCGAAGACGTGGAGTCTTTTGTAAACAAAGGTGATGACGAA  
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CAGATGACTGGGATGGACCAGGAGAGCTAGAAGTGTTCAGAGAGATGGAGAAAGGAAGATTAGAGTCCG  
GCAGCAACTTCCGGTGGGAACAACCTGGGGCCCTTTTGCTGGGAAGATGGACTTGAACAATAATTCCTTG  
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GAGTGGAAAGACAGCAAAAACAACCTGCATTGTGTACAGCAAAGGGGGCCAACTTTGGTGCACCACAACGAA  
GGCCATCTCAGAGGGTGAAGAGCTCGTCGCCTTTGTGGTGGACTTTGACTCAAGGCTACAAGCTGCTAGT  
CACATGACTCTCACCGAAGGGATGTACCCTGCCCGCTGCTGGACTCGATTGAGTCTTCTCAGCAAG  
CTGCCATGGCTTCTATTTTGCCTACAGCTATTGTCAATAAGGATATATTCCTTGAAGCTCTGTGGCAT  
CTGGTACCGGAGCGAGCGAACCCTGCAAGCCATTTGATGTAAGTACTGATGAGGAGGCAACGAGAAGCT  
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CACCAACACCTGTTCTCGCATCTCACTCAAGCCGCTTCCGATGCAACCACTGCCATTTTGGCTTTCAGA  
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AGCAAAATCTCTTACAAAAATAAAGTCTGAGCCCTCCAGTCCAGACTCGCCTCATCTCCAGTGCA  
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GTAGTAGCTACCCTCCTGTGATTTACAGCCCTTGATGCCCAAAGGGGCTACGTGCTTTGAGTGTAACAT  
AACATTCAATAATTTGGATAACTATCTAGTTTCATAAAAAGCACTACTGCAGCAGCAGATGGCAGCAGATG  
GCCAAATCCCCTGAGTTTCCAAGTGTCTGAAAAATGCCTGAGGCTGTGAGTCCTAACACTGGCCAGA  
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CATCAACTCTCCACCGTTTTAGATTTGATTGGCCAAACGGGAAAGGCCATGAGAAGGACTTTTCCACT  
CAAGTCAAAAAGTTGCCACCTCCAACAGTAGTGACGACAAAAAATAAACGGAAAGCCTGTTGATGTAAAA  
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CCTAAGCAATCCTGTAGCTCCACTCAAGAGCCCAACGAGGGCTAGGAGAATGTACCACCAAGATGC  
GACATCTCCAGGAATTGTCTTAAGCACTTGGAAACATCATTGGCCATGAACAAATGTGTTCCGGTTC  
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ATCAGCGTAATGACCTGGGTGAGCTTGTGTTAAAGTGTTCGCAATCCAGAAAGTGAACGGAGCAGCCC  
TGAAGTCAGCTTTGAAAGAAACATGATCAATGTGAGAAGAATGGGAATCCAAAGCAACCATCTCCCAAC  
GGAAATTTGTTTTATCCCACTTGGCAACCTTGAAGGCCTGAAAGTCTTCAGCGAAGCAGCTCAGCTCA  
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ATCCACAACACTGACGTGCAACAAAGCACAATAACAGAAAATGAATCTCCTAAAGGCCAGGCCTCCTCAA  
ATGGGTGTGCCGTACCCAAGAAAGATTCTGCTGCTTGGCCAAAAACAGAGGCATGGTCATAGTGAA  
TGTTGGACTCAAGCAAGATGAAAGACCTACGGCCAAACCCACAGCAAGAGAACATTTCCAGAAATACCCAG  
CACGAAGATGGCCACAAATCCCCTTCGTGGATCTCTGAGAACCATTAGCTGCAAAATGAGAATGTCTCC  
CAGGAATTCCTGCGCAGAAGAACAGTTGTCTAGCATAGCAAAAGGTGTGAATGGCGCCAGCCAGGCTCC  
CAGCAGTGGAAAAACTGCCGGCTATGCGATATTCAGTTCAATAATCTTTCGAACTTTATAACTCACAAG  
AAGTTTTATTGCTCATCATGCAGCAGAACATGTCAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC059241
- Insert Size:** 3402 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: [BC059241](#), [AAH59241](#)

RefSeq Size: 4832 bp

RefSeq ORF: 3401 bp

Locus ID: 22762

Cytogenetics: 15 15.74 cM

**Gene Summary:** Transcription regulator that plays a central role in heart morphogenesis and development of coronary vessels from epicardium, by regulating genes that are essential during cardiogenesis. Essential cofactor that acts via the formation of a heterodimer with transcription factors of the GATA family GATA4, GATA5 and GATA6. Such heterodimer can both activate or repress transcriptional activity, depending on the cell and promoter context. Also required in gonadal differentiation, possibly by regulating expression of SRY. Probably acts a corepressor of NR2F2.[UniProtKB/Swiss-Prot Function]