

Product datasheet for MC223736

Zfpm2 (NM_011766) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Zfpm2 (NM_011766) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Zfpm2
 Synonyms: B330005D23Rik; FOG-2; FOG2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC223736 representing NM_011766
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCCGCGAAAGCAGAGTAAACCCCGCAGATCAAACGGCCGCTGGAAGATGCCATCGACGACGAGG
 AAGAAGAGTGTCCGGTGGAGGAAGCCGAAGTCATCTCGAAAGCGACTTCCACTGGAGGGAAGCTTCCC
 CGCAGGCTTTGAGCCGAAAATCTGAGCTGCGAAGACGTGGAGTCTTTTGTAAACAAAGGTGATGACGAA
 GGAATCCAGGAGCCAGCAGAATCAGATGGGACAGCCATTAGACAAACAGGACAGCCTGGGGTAGAGA
 CAGATGACTGGGATGGACCAGGAGAGCTAGAAGTGTTCAGAGAGATGGAGAAAGGAAGATTAGAGTCCG
 GCAGCAACTTCCGGTGGGAACAACCTGGGGCCCTTTTGCTGGGAAGATGGACTTGAACAATAATTCCTTG
 AAGACGAAGGCTCAGGTCCCATGGTGTGCTGACTGCTGGTCTAAATGGCTTCTGGATGTGACATGGCAAG
 GAGTGGAAAGACAGCAAAAACAACCTGCATTGTGTACAGCAAAGGGGGCCAACTTTGGTGCACCACAACGAA
 GGCCATCTCAGAGGGTGAAGAGCTCGTCGCCTTTGTGGTGGACTTTGACTCAAGGCTACAAGCTGCTAGT
 CACATGACTCTCACCGAAGGGATGTACCCTGCCGCCTGCTGGACTCGATTCAGTCTTCTCAGCAAG
 CTGCCATGGCTTCTATTTTGCCTACAGCTATTGTCAATAAGGATATATTCCTTGAAGCTCTGTGGCAT
 CTGGTACCGGAGCGAGCGAACCCTGCAAGCCATTTGATGTAAGTACTGATGAGTGGGAGGCAACGAGAAGCT
 GCTCCAGTGTGAGAAGAAAATGAAGACAACCTCGCATCAGGTTTCCAGCCTGTGCCCTTCCCACAATGCA
 CCAAGAGCTTTTCCAATGCCGAGCTCTAGAAATGCACCTGAATTCACACAGTGGTGTGAAAATGGAAGA
 GTTCTGCCCCCTGGGGCGAGTTTAAAATGCACGGTCTGTAGCTACACTGCTGATTCTGTGATCAACTTC
 CACCAACACCTGTTCTCGCATCTCACTCAAGCCGCTTCCGATGCAACCACTGCCATTTTGGCTTTCAGA
 CCCAGAGGGAGCTACTGCAGCACCAGGAGCTCCATGTCCCAGTGGCAAACCTTCCAGAGAAAGTGACAT
 GGAGCACTCTCCAAGTGAACGGAAGACAGCTTACAGCCAGCCACAGACTTGTGGCCAGAAGTGACCTC
 TCCAGAGCCAAAAGGCCATGCCGACTAAGGATGCAAGCTCAGACACAGAGCTGGACAAGTGTGAGAAAA
 AGACTCAACTTCTCTACCAATCAGAGACCAGAGATCCAGCCTGCAGCCAAACGCAAAAACCTTCTCTTA
 CACAAAAATAAAGTCTGAGCCCTCCAGTCCCAGACTCGCCTCATCTCCAGTGAACCCAAACATCGGGCCC
 TCTTCCCTGTGGGACCTTCTGTCTCAGTTTCTTCCCAAGATATCACGATGGTCCCTCAGGCTT



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CAGAGATCTTGGCGAAGATGTCCGAGCTGGTGCACCGTCGACTGAGGCATGGGAGTAGTAGCTACCTCC
TGTGATTTACAGCCCTTTGATGCCCAAAGGGGCTACGTGCTTTGAGTGTAACATAACATTCAATAATTTG
GATAACTATCTAGTTCATAAAAAAGCACTACTGCAGCAGCAGATGGCAGCAGATGGCCAAATCCCCTGAGT
TTCCAAGTGTTCGAAAAATGCCTGAGGCTGTGAGTCCTAACACTGGCCAGACTTCCATAAACCTTCT
TAACCCAGCCGCTCATTATCGGACCCAGAGAACCCTCCTTCAAACATCCTGCATCAACTTCCACC
GTTTTAGATTTGATTGGCCAAACGGGAAAGGCCATGAGAAGGACTTTTCCACTCAAGTCAAAAAGTTGC
CCACCTCCAACAGTAGTGACGACAAAATAAACGGAAAGCCTGTTGATGTGAAAAATCCCAGCGGTCCTT
AGTGGATGGGAAAGTGACCCAAAATAAGACTACCTGTGAAGCTTGTAAACATCACCTTTAGCAGGCATGAA
ACCTATATGGTCCACAAAACAGTATTACTGTGCAACACGCCATGACCCTCCGCTAAAGAGGCTGCTTCCA
ACAAAAGTGCCGGCCATGCAGAGAACCATGCGCACACGCAAGCAAGAAAGATGTACGAAATGTGCCTACC
TGAGCAGGAACAGCGGCCGCCCTGGTCCAGCAGAGATTTCTTGATGTAGCCAACCTAAGCAATCCTTGT
AGCTCCACTCAAGAGCCACCGAAGGGCTAGGAGAATGTACCACCAAGATGCGACATCTTCCAGGAA
TTGTCTCTAAGCACTTGGAAACATCATTGGCCATGAACAAATGTGTTCCGGTTCCTCAAGTGTGACACGAC
CCATTCCAATGTTTCTGCTTGGAGATGGATGTCCCTATAGATCTCAGCAAAAAGTGTATCGCAGTCT
GAGCGGACGACAGCATCTCTAAGAGGCTACTAGACTACCACGAGTGCACAGTGTGCAAGATCAGCTTCA
ATAAGGTCGAGAACTATCTGGCGACAAGCAGAAATTTCTGCCCTGCACTGCACATCAGCGTAATGACCT
GGTCCAGCTTGATGGTAAAGTGTTCGCAATCCAGAAAGTGAACGGAGCAGCCCTGAAGTCAAGTGTGAA
AGAAACATGATCAAAATGTGAGAAGAAATGGGAATCCAAAGCAACCTCTCCCAACGGAAATTTGTTTTTCA
CCCCTTGGCAACCTTGAAGGCCTGAAAGTCTTCAAGCAAGCAGCTCAGCTCATTGCTACAAAAGAAGA
AAACAAACATTTGTTTCTTCCCAATGCCTTTACCCTGGAGCAATAAAGAAGACAAAAGGAGCTGACCAA
CTTTCTCCATACTATGGGATAAAGCCAAGCGATTATATCGCCAGTCTCTTGTGATCCACAACACTGACG
TCGAACAAAGCACAAATACAGAAAATGAATCTCCTAAAGGCCAGGCCCTCCTCAAATGGGTGTGCCGTACC
CAAGAAAGATTCTCTGCCATTGTTGCCAAAAACAGAGGCATGGTCATAGTGAATGGTGGACTCAAGCAA
GATGAAAGACCTACGGCCAACCCACAGCAAGAGAACATTTCCAGAAATACCCAGCACGAAGATGGCCACA
AATCCCTTCTGGATCTCTGAGAACCCATTAGCTGCAAATGAGAATGTCTCCCAAGGAATTCCTGCGC
AGAAGAACAGTTGTCTAGCATAGCAAAAGGTGTGAATGGCGCCAGCCAGGCTCCAGCAGTGGAAAAATC
TGCCGGCTATGCGATATTCAGTTCAATAATCTTTCGAACCTTATAACTCACAGAAGTTTTATTGCTCAT
CACATGCAGCAGAACATGTCAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_011766
- Insert Size:** 3456 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_011766.5](#), [NP_035896.1](#)

RefSeq Size: 4974 bp

RefSeq ORF: 3456 bp

Locus ID: 22762

UniProt ID: [Q8CCH7](#)

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]