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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223736 representing NM_011766
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCGGCGAAAGCAGAGTAAACCCCGGCAGATCAAACGGCCGCTGGAAGATGCCATCGACGACGAGG
AAGAAGAGTGTCCGGTGGAGGAAGCCGAAGTCATCTCGAAAGGCGACTTTCCACTGGAGGGAAGCTTCCC
CGCAGGCTTTGAGCCCGAAAATCTGAGCTGCGAAGACGTGGAGTTCTTTTGTAACAAAGGTGATGACGAA
GGAATCCAGGAGCCAGCAGAATCAGATGGGGACAGCCATTCAGACAAACCAGGACAGCCTGGGGTAGAGA
CAGATGACTGGGATGGACCAGGAGAGCTAGAAGTGTTTCAGAGAGATGGAGAAAGGAAGATTCAGAGTCG
GCAGCAACTTCCGGTGGGAACAACCTGGGGCCCTTTTGCTGGGAAGATGGACTTGAACAATAATTCCTTG
AAGACGAAGGCTCAGGTCCCCATGGTGCTGACTGCTGGTCCTAAATGGCTTCTGGATGTGACATGGCAAG
GAGTGGAAGACAGCAAAAACAACTGCATTGTGTACAGCAAAGGGGGCCAACTTTGGTGCACCACAACGAA
GGCCATCTCAGAGGGTGAAGAGCTCGTCGCCTTTGTGGTGGACTTTGACTCAAGGCTACAAGCTGCTAGT
CACATGACTCTCACCGAAGGGATGTACCCTGCCCGCCTGCTGGACTCGATTCAGCTGCTTCCTCAGCAAG
CTGCCATGGCTTCTATTTTGCCTACAGCTATTGTCAATAAGGATATATTCCCTTGCAAGTCCTGTGGCAT
CTGGTACCGGAGCGAGCGGAACCTGCAAGCCCATTTGATGTACTACTGTAGTGGGAGGCAACGAGAAGCT
GCTCCAGTGTCAGAAGAAAATGAAGACAACTCGCATCAGGTTTCCAGCCTGTGCCCCTTCCCACAATGCA
CCAAGAGCTTTTCCAATGCCCGAGCTCTAGAAATGCACCTGAATTCACACAGTGGTGTGAAAATGGAAGA
GTTCCTGCCCCCTGGGGCGAGTTTAAAATGCACGGTCTGTAGCTACACTGCTGATTCTGTGATCAACTTC
CACCAACACCTGTTCTCGCATCTCACTCAAGCCGCCTTCCGATGCAACCACTGCCATTTTGGCTTTCAGA
CCCAGAGGGAGCTACTGCAGCACCAGGAGCTCCATGTCCCCAGTGGCAAACTTCCCAGAGAAAGTGACAT
GGAGCACTCTCCAAGTGGAACGGAAGACAGCTTACAGCCAGCCACAGACTTGTTGGCCAGAAGTGACCTC
TCCCAGAGCCAAAAGGCCATGCCGACTAAGGATGCAAGCTCAGACACAGAGCTGGACAAGTGTGAGAAAA
AGACTCAACTCTTCCTCACCAATCAGAGACCAGAGATCCAGCCTGCAGCCAACAAGCAAAACTTCTCTTA
CACAAAAATAAAGTCTGAGCCCTCCAGTCCCAGACTCGCCTCATCTCCAGTGCAACCCAACATCGGGCCC
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TCTTTCCCTGTGGGACCTTTCCTGTCTCAGTTTGCTTTTCCCCAAGATATCACGATGGTCCCTCAGGCTT
CAGAGATCTTGGCGAAGATGTCCGAGCTGGTGCACCGTCGACTGAGGCATGGGAGTAGTAGCTACCCTCC
TGTGATTTACAGCCCTTTGATGCCCAAAGGGGCTACGTGCTTTGAGTGTAACATAACATTCAATAATTTG
GATAACTATCTAGTTCATAAAAAGCACTACTGCAGCAGCAGATGGCAGCAGATGGCCAAATCCCCTGAGT
TTCCAAGTGTTTCTGAAAAAATGCCTGAGGCTGTGAGTCCTAACACTGGCCAGACTTCCATAAACCTTCT
TAACCCAGCCGCTCATTCATCGGACCCAGAGAACCCACTCCTTCAAACATCCTGCATCAACTCTTCCACC
GTTTTAGATTTGATTGGGCCAAACGGGAAAGGCCATGAGAAGGACTTTTCCACTCAAGTCAAAAAGTTGC
CCACCTCCAACAGTAGTGACGACAAAATAAACGGAAAGCCTGTTGATGTGAAAAATCCCAGCGGTCCCTT
AGTGGATGGGGAAAGTGACCCAAATAAGACTACCTGTGAAGCTTGTAACATCACCTTTAGCAGGCATGAA
ACCTATATGGTCCACAAACAGTATTACTGTGCAACACGCCATGACCCTCCGCTAAAGAGGTCTGCTTCCA
ACAAAGTGCCGGCCATGCAGAGAACCATGCGCACACGCAAGCGAAGAAAGATGTACGAAATGTGCCTACC
TGAGCAGGAACAGCGGCCGCCCCTGGTCCAGCAGAGATTTCTTGATGTAGCCAACCTAAGCAATCCTTGT
AGCTCCACTCAAGAGCCCACCGAAGGGCTAGGAGAATGCTACCACCCAAGATGCGACATCTTCCCAGGAA
TTGTCTCTAAGCACTTGGAAACATCATTGGCCATGAACAAATGTGTTCCGGTTCCCAAGTGTGACACGAC
CCATTCCAATGTTTCCTGCTTGGAGATGGATGTCCCTATAGATCTCAGCAAAAAGTGTTTATCGCAGTCT
GAGCGGACGACAGCATCTCCTAAGAGGCTACTAGACTACCACGAGTGCACAGTGTGCAAGATCAGCTTCA
ATAAGGTCGAGAACTATCTGGCGCACAAGCAGAATTTCTGCCCTGTCACTGCACATCAGCGTAATGACCT
GGGTCAGCTTGATGGTAAAGTGTTTCCGAATCCAGAAAGTGAACGGAGCAGCCCTGAAGTCAGCTTTGAA
AGAAACATGATCAAATGTGAGAAGAATGGGAATCCAAAGCAACCATCTCCCAACGGAAATTTGTTTTCAT
CCCACTTGGCAACCTTGCAAGGCCTGAAAGTCTTCAGCGAAGCAGCTCAGCTCATTGCTACAAAAGAAGA
AAACAAACATTTGTTTCTTCCCCAATGCCTTTACCCTGGAGCAATAAAGAAGACAAAAGGAGCTGACCAA
CTTTCTCCATACTATGGGATAAAGCCAAGCGATTATATCGCCAGTTCTCTTGTCATCCACAACACTGACG
TCGAACAAAGCACAAATACAGAAAATGAATCTCCTAAAGGCCAGGCCTCCTCAAATGGGTGTGCCGTACC
CAAGAAAGATTCTCTGCCATTGTTGCCCAAAAACAGAGGCATGGTCATAGTGAATGGTGGACTCAAGCAA
GATGAAAGACCTACGGCCAACCCACAGCAAGAGAACATTTCCCAGAATACCCAGCACGAAGATGGCCACA
AATCCCCTTCGTGGATCTCTGAGAACCCATTAGCTGCAAATGAGAATGTCTCCCCAGGAATTCCCTGCGC
AGAAGAACAGTTGTCTAGCATAGCAAAAGGTGTGAATGGCGCCAGCCAGGCTCCCAGCAGTGGAAAATAC
TGCCGGCTATGCGATATTCAGTTCAATAATCTTTCGAACTTTATAACTCACAAGAAGTTTTATTGCTCAT
CACATGCAGCAGAACATGTCAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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).

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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 be regulating expression of SRY. Probably acts a corepressor of NR2F2.[UniProtKB/Swiss-Prot Function]

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