

Product datasheet for **MG222638**

Zfpm2 (NM_011766) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfpm2 (NM_011766) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfpm2
Synonyms:	B330005D23Rik; FOG-2; FOG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222638 representing NM_011766 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGTCCCGCGAAAGCAGAGTAAACCCCGGCAGATCAAACGGCCGCTGGAAGATGCCATCGACGACGAGG
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CACATGCAGCAGAACATGTCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG222638 representing NM_011766
Red=Cloning site Green=Tags(s)

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MSRRKQSKPRQIKRPLEDAIDDEEECPVEEA EVISKGDFPLEGSFPAGFEPENLSCEDVEFFCNKGDE
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HMTLTEGMPARLLDSIQLLPQAAMASILPTAIVNKDIFPCKSCGIWYRSERNLQAHLMYC SGRQREA
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TRTRPLE - GFP Tag - V

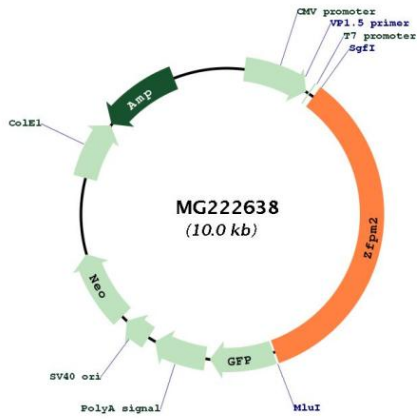
Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_011766
ORF Size: 3453 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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]

Product images:



Circular map for MG222638