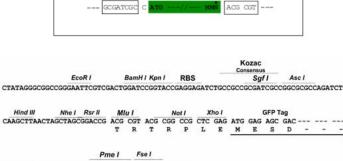


Product datasheet for RG214338

FOG2 (ZFPM2) (NM_012082) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOG2 (ZFPM2) (NM_012082) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOG2
Synonyms:	DIH3; FOG2; hFOG-2; SRXY9; ZC2HC11B; ZNF89B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf1 ORF Mlu I



--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT - - E E R V Stop

 ACCN:
 NM_012082

 ORF Size:
 3453 bp



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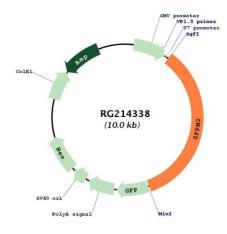
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

GRIGENE FOG2 (ZFPM2) (NM_012082) Human Tagged ORF Clone – RG214338	
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. <u>More info</u>
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	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 012082.2, NP 036214.1</u>
RefSeq Size:	4507 bp
RefSeq ORF:	3456 bp
Locus ID:	23414
UniProt ID:	<u>Q8WW38</u>
Cytogenetics:	8q23.1
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	The zinc finger protein encoded by this gene is a widely expressed member of the FOG family of transcription factors. The family members modulate the activity of GATA family proteins, which are important regulators of hematopoiesis and cardiogenesis in mammals. It has been demonstrated that the protein can both activate and down-regulate expression of GATA- target genes, suggesting different modulation in different promoter contexts. A related mRNA suggests an alternatively spliced product but this information is not yet fully supported by the

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sequence. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214338

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