

Product datasheet for **RG213308**

RHOXF2B (NM_001099685) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RHOXF2B
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG213308 representing NM_001099685
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGAGCCTCCGGACCACTGTAGCCAGTATATGACCAGCTTGCTCAGCCCTGCAGTCGACGACGAGAAAG
AACTACAGGATATGAATGCTATGGTGTCTGCTTACTGAAGAGGTCAAAGAGGAGGAAGAGGATGCACA
GCCTGAGCCTGAGCAAGGCACAGCAGCAGGAGAGAAAGTTAAAGTCGGCAGGAGCCAAAGCGGAGAGAA
AAAGATGGCGGCGGAGAGAAAAAGATGGCGGCGGCGCGGAGTTCTGGCCACCTATGGGAAGGAAACC
TCGAGGGCACACGCGGCAGCGATGGCAACGTTGAGGACAGCGACAGAGCGAGAAGGAACCTGGGCAGCA
GTATTCGCGCCACAGGGCGCGCTCGGGGGGCTGGAGCCTGGCAACGCGCAGCAGCCAAACGTCCACGCC
TTCACCCCATTTGACGCTGCAGGAGCTGGAGTGCAATTTCCAACGCGAGCAGTTCCCCAGTGAGTTCTGTC
GAAGGAGGCTGGCAAGAAGCATGAATGTGACTGAACTCGCAGTGCAGATTTGGTTTGAGAATAGAAGAGC
CAAATGGAGGAGACATCAGAGGGCATTAAATGGCAAGAAACATGCTGCCCTTCATGGCAGTGGGCCAGCCT
GTCATGGTAACCGCAGCTGAGGCCATAACGGCACCCCTTGTTTCATCAGCGGGATGAGAGATGATTACTTCT
GGGACCACAGCCATTCCAGCAGCCTGTGTTTCCCATGCCACCCCTTTCCTCCTCGTCCCTTGCCCTTCC
ACTCATGCTTCTTCCACCTATGCCACCCGCTGGCCAGGCTGAATTTGGCCCATTCCTTTTGTATCGTG
CCTTCTTTCACATTCCTCAATGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG213308 representing NM_001099685
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MEPPDQCSQYMTSLLSPAVDDEKELQDMNAMVLSLTEEVKEEEEDAQPEPEQGTAAAGEKLKSAGAQQGEE
KDGGGEEKDGGGAGVPGHLWEGNLEGTSGSDGNVEDSDQSEKEPGQYSRPQGAVGGLPEGNAQQPNVHA
FTPLQLQLELCIFQREQFPSEFLRRRLARSMNVTELAQIWFENRRAKWRRHQRALMARNMLPFMAVGQP
VMVTAAEAITAPLFISGMRDDYFWDHSHSSSLCFMPMPFPPPSLPLPLMLLPPMPAGQAEFGPFPFVIV
PSFTFPNV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001099685

ORF Size: 864 bp

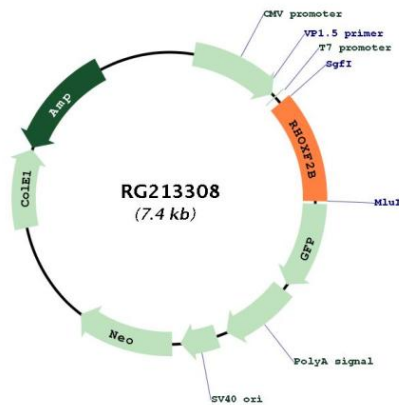
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001099685.3</u>
RefSeq Size:	1309 bp
RefSeq ORF:	867 bp
Locus ID:	727940
UniProt ID:	<u>P0C7M4</u>
Cytogenetics:	Xq24
Gene Summary:	Transcription factor maybe involved in reproductive processes. Modulates expression of target genes encoding proteins involved in processes relevant to spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213308