

Product datasheet for **MG223471**

Foxb1 (NM_022378) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Foxb1 (NM_022378) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Foxb1
Synonyms: C43; Fkh5; Foxb1a; Foxb1b; Hfh-e5.1; Mf3; Twh
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223471 representing NM_022378
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTCGGCCGGCCGCAACACGTACAGCGACCAGAAGCCGCCCTACTCATACATCTCGCTGACCGCCA
 TGGCCATCCAGAGCTCTCCGGAGAAGATGCTGCCGCTCAGCGAGATCTACAAGTTCATCATGGACCGCTT
 CCCCTACTACCGGAGAACACGCAGCGCTGGCAGAACAGCCTGCGCCACAATCTCTCCTTCAACGATTGC
 TTCATCAAGATCCCGAGGCGCCAGACCAGCCGGCAAGGGCAGCTTCTGGGCGTGCATCCAGCTGCG
 GGGACATGTTGAGAACGGGAGCTTCTCGGGCGTCGCAAGCGCTCAAGGTGCTCAAGTCAGACCACCT
 GGCGCCAGCAAGCCGGCGGACCGCGCAGTACCTCCAGCAGCAGGCTAAGCTGCGGCTCAGCGCGCTG
 GCCGCTCGGGCAGCATCTGCCGAGATGCCGGCCGCTGCGTACAACCTGGGCGGTGTGGCGCAGCCTT
 CCGGCTCAAGCATCCCTTTGCTATCGAGAACATCATCGCTAGGGAGTACAAGATGCCTGGGGGGCTGGC
 TTCTCTGCCATGCAGCCGGTCCGGCTGCCTATCCTCTCCCTAACCAGTTAACTACCATGGGCAGCTCT
 CTGGGCACTGGATGGCCACATGTGTACGGTCCGCGGGTATGATCGACTCAGCCACCCCATCTCCATGA
 CTAGTGGGCACTACAGCGCTATGGAGTGCCGCTGAAGCCGCTGTGCCACGCCGGGCCAGACGTTGCC
 CGCCATCCAGTGCCCATCAAGCCACGCCGGCCGAGTGCCCGCGCTGCCAGCTCTGCCGCACCCATC
 CCCACCCTGCTCTGAACTCGCCGCTTCGCTCAGCCCCACCTCCTCGCAGACAGCCACCAGCCAAAGCA
 GCCCGCCACCCCTAGCGAGACTCACCAGCCGGCCTCCGCTTGCCTCGGTTGGCCGCTGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223471 representing NM_022378
 Red=Cloning site Green=Tags(s)

MPRPGRNTYSQKPPYSYISLTAMAIQSSPEKMLPLSEIYKFIMDRFPYYRENTQRWQNSLRHNL SFNDC
 FIKIPRRPDQPGKGSFWALHPSCGDMFENGSLRRRKRKFKVLKSDHLAPSKPADAQQYLQQAKLRLSAL
 AASGTHLPQMPAAAYNLGGVAQPSGFKHPFAIENIIAREYKMPGGLAFSAMQPVPAAYPLPNQLTTMGSS
 LGTGWPHVYGSAGMIDSATPISMTSGDYSAYGVPLKPLCHAAGQTLPAIPVPIKPTPAAVPALPALPAPI
 PTLLSNSPPSLSPTSSQTATSQSSPATPSETLTSPASALHSVAVH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022378

ORF Size: 975 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.

RefSeq: [NM_022378.3](#), [NP_071773.2](#)

RefSeq Size: 2984 bp

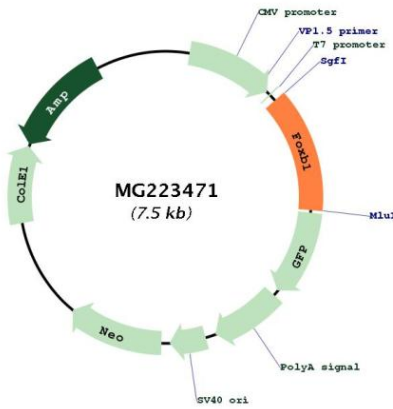
RefSeq ORF: 978 bp

Locus ID: 64290

UniProt ID: [Q64732](#)

Cytogenetics: 9 38.76 cM

Product images:



Circular map for MG223471