

Product datasheet for **MG204830**

Foxs1 (NM_010226) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxs1 (NM_010226) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Foxs1
Synonyms:	Fkh3; Fkh18; FREAC10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204830 representing NM_010226 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAAGCAACCATCACCAGAATCCTTGCTCCTTCTGCAGAGCCACCAAGCCCCCTTACAGCTACA
TAGCCCTGATTGCCATGGCTATCCAGAGTTCACCGGGTCAGCGGGCCACCCTCAGTGGCATCTACCGCTA
CATCATGGGCCGCTTTGCCTTTTACCGGCACAACCGCCGGGCTGGCAAAACAGCATCCGCCATAACCTG
TCTCTCAACGAGTGTTCGTCGTCAGGTGCCTCGTGATGACCGCAAGCCAGGCAAGGGCAGCTACTGGACCC
TGGATCCGGACTGCCACGACATGTTCCAGCATGGCAGCTTCTCCGTCGCCGAGACGCTTCACCAAACG
CACAGGTGCGCAGGGCACCAAGGGCCCTGTCAAGATAGACCACAGACCCACAGAGCCACCAGCCGGAC
CCAGGAGCCCCAAGACCACAACCTGGCAGACTGTGCCATTCCCAAGAGGTGCCAAACCCCAAGGGCT
TAAGCTTTGAGGGTCTGATGGGGTCTTTGCCAGCCAACATGAGCTCAACAACCAAGTACGCTCAGGCCCA
ACTGCCCACTGGACCCAAAGAGATGTGCTCGGCAAGTCTGGAGGCCAAGGGAGCTCTCTGAAGCTACC
TCGCCCTCACCGTGCCAGCATTTCGGCTTTTCTCTGCTTCTCTGACGCTGAGAGTCTCGGCAAGGCC
CCACACCCGGTGTGGCTCCTGAGAGCGTTGGGAGCAGTACCAGTGCCGGATGCAGACACTGAATTTCTG
TATGGGGACTGACCCAGGCCCTTGAACACCTCCTGGTCTCTCAGTCCCCACCCCTGGATCCTCGACACCT
TCAGCCTCTACCGGGCCCACTGCCCTGCCGGCTGACTCCAAGAACCCTGGGTGGCTGGGAGCTTCC
CTGTCCAGGGAGGTTCTGGCTATCCACTGGGATTACCCCTGTCTTTACCGACTCCGGGAATGTTCTT
CTTCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204830 representing NM_010226
 Red=Cloning site Green=Tags(s)

MQKQSPESLAPSAEPTKPPYSYIALIAMAIQSSPGQRATLSGIYRYIMGRFAFYRHNRPGWQNSIRHNL
 SLNECFVKVPRDDRKPGKGSYWTLDPDCHDMFQHGSLRRRRRF TKRTGAQGTGKGPVKIDHRPHRATSPD
 PGAPKTTTGRLCPFPQEVNPKGLSFEGLMGSLPANMSSTSDVRPQLPTGPKEMCSAKSGGPRELSEAT
 SPSPCPAFGFSSAFSDAESL GKAPT PGVAPESVGSYQCRMQLNFCMGTDPGLEHLLVSSVPTPGSSTP
 SASHRAPLPLPADSKEPWWAGSFPVQGGSGYPLGLPPCLYRTPGMFFFE

TRTRPLE - GFP Tag - V

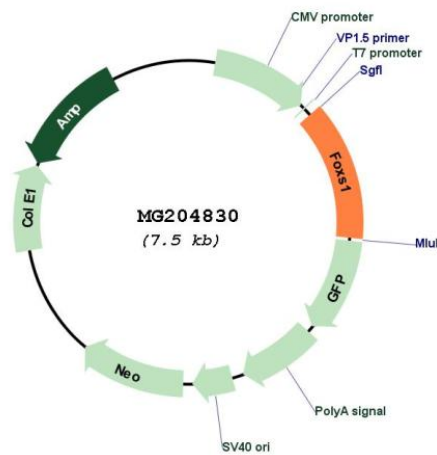
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_010226

ORF Size: 987 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_010226.2 , NP_034356.1
RefSeq Size:	1312 bp
RefSeq ORF:	990 bp
Locus ID:	14239
UniProt ID:	Q61574
Cytogenetics:	2 H1
Gene Summary:	Transcriptional repressor that suppresses transcription from the FASLG, FOXO3 and FOXO4 promoters. May have a role in the organization of the testicular vasculature. [UniProtKB/Swiss-Prot Function]