

Product datasheet for **RG201400**

FOXS1 (NM_004118) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXS1 (NM_004118) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXS1
Synonyms:	FKHL18; FREAC10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201400 representing NM_004118 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCAGCAGCCTCTGCCGGGCTGGCGCCCCACAACCTGAGCCAACCAAGCCTCCCTACAGCTACA
TCGCCCTATTGCTATGGCCATCCAGAGCTCACCGGGCAGCGGGCCACCCTCAGTGGCATCTACCGCTA
CATCATGGGCGATTTCGCTTCTACCGCCACAACCGCCCGGCTGGCAGAACAGCATCCGCCACAACCTG
TCACTCAACGAGTGCTTTGTCAAGGTGCCCGCGATGACCGCAAGCCAGGCAAGGGCAGCTACTGGACGC
TGGACCCTGACTGCCACGACATGTTTGTGACGACGGCAGCTTCTACGCCCGCCCGCGCTTACCCGGCA
GACAGGTGCTGAGGGCACCCGGGCCCCGCAAGGCACGCGTGGACCCCTCAGGGCGACCAGCCAGGAC
CCAGGAGTCCCCAACGCCACGACCGGCAGGCAAGTCTCATTCCACCAGAGCTGCCAGATCCCAAGGGCC
TAAGCTTTGGGGTCTGGTGGGGCCATGCCAGCCAGTATGTGCCAGCAACCACTGATGGCAGGCTCG
GCCACCCATGGAGCCCAAGAGATTTCCACGCCAAGCCTGCATGCCAGGGGAGCTCCCGTGGCCACC
TCATCTTCTCATGCCACGCTTTGGCTTCTGCGGCTTCTCAGAGGCTGAGAGTTTTAATAAGGCC
CTACGCCCGTCTGTCCCGGAATCAGGCATCGGGAGCAGCTACCAGTGTGGCTGCAGGCACTGAATTT
TTGCATGGGGCTGACCCAGGCCTTGTGACACCTTGTGGCTCAGCAGCCCCCTCCCTGCACCACCACC
CCTCCAGGCTCACTCCGGGCCCACTGCCCTGCCAAGTACCACAAGGAACCCCTGGGTTGCAGGTGGCT
TCCCTGTCCAGGAGGCTCCGGTACCCATTGGGGCTGACCCCTGCCTATACCGGACGCCAGGAATGTT
CTTCTTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



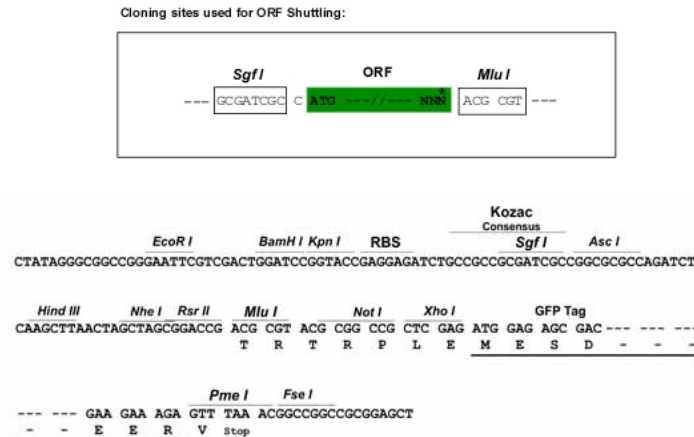
Protein Sequence: >RG201400 representing NM_004118
 Red=Cloning site Green=Tags(s)

MQQQLPGPGAPTTTEPTKPPYSYIALIAMAIQSSPGQRATLSGIYRYIMGRFAFYRHNRPGWQNSIRHNL
 SLNECFVKVPRDDRKPGKGSYWTLPDCHDMFEHGSFLRRRRRFTRQTGAEGTRGPAKARRGPLRATSQD
 PGVPNATTGRQCSFPPELPDPKGLSFGGLVGAMPASMCATTDDGRPRPPMEPKEISTPKPACPGELPVAT
 SSSSCPAGFPGFSEAESFNKAPTIVLSPESGIGSSYQCRQLALNFCMGADPGLEHLLASAAPSPAPPT
 PPGSLRAPLPLPTDHKEPWWAGGFPVQGGSGYPLGLTPCLYRTPGMFFFE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004118

ORF Size: 990 bp

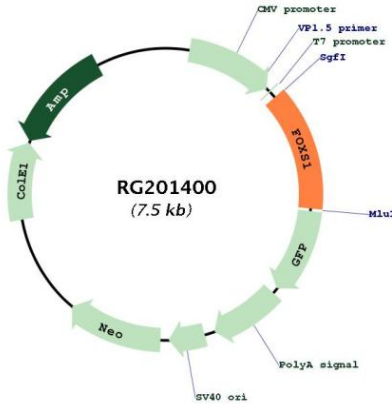
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_004118.4
RefSeq Size:	1353 bp
RefSeq ORF:	993 bp
Locus ID:	2307
UniProt ID:	O43638
Cytogenetics:	20q11.21
Protein Families:	Transcription Factors
Gene Summary:	The forkhead family of transcription factors belongs to the winged helix class of DNA-binding proteins. The protein encoded by this intronless gene contains a forkhead domain and is found predominantly in aorta and kidney. The function of the encoded protein is unknown. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201400