

Product datasheet for **RG216442**

FOXL1 (NM_005250) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXL1 (NM_005250) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXL1
Synonyms:	FKH6; FKHL11; FREAC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216442 representing NM_005250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCACCTCTTCGATCCCCGGCTGCCTGCCCTGGCCGCTCGCCCATGCTGTATCTGTACGGTCCCG
AGAGACCCGGCCTCCCTCTGGCCTTCGCCCCCGCGGCTGCTCTAGCTGCCTCGGGCCGGCCGAGACCCC
GCAGAAGCCTCCCTACAGCTACATCGCGCTCATCGCCATGGCGATCCAGGACGCGCCGAGCAGAGGGTC
ACGCTCAACGGCATCTACCAGTTCATCATGGACCGCTTCCCTTCTACCACGACAACCGGACGGGTGGC
AGAACAGCATCCGCCACAACCTCTCGCTCAACGACTGCTTCGTCAAGGTGCCCGGAGAAAGGGCGGCC
GGCAAGGGCAGCTACTGGACGCTGGACCCCGCTGCCTGGACATGTTTGAGAACGGCAACTACCGGCGC
CGGAAGAGGAAGCCCAAGCCGGGCCCGGGGCCCGGAGGCCAAGAGGCCCGCGCCGAGACGCACCAGC
GCAGCGCGGAGGCGCAGCCGGAGGCGGGGAGCGGGGACAGGGGGCTCGGGCCCGCAATCTCCCGCCTGCA
GGCAGCGCCCGGGGCCCTCGCCCTCCTGGACGGCCCTCCTCCGCGGCGCCCTCCACTGGCCGGGG
ACCGGTCCCCGAACGAGGACGCTGGTACGCTGCCAGGGCGCAGCGGCGTGGCGGTGGCCAGGCAG
CGCGCACAGGGGACGGCCGGGGTCCCCTCTGCGCCCGCCTCCCGCAGCTCTCCGAAGAGCTCCGACAA
GTCCAAGAGCTTCAGCATAGACAGCATCTGGCGGAAAGCAGGGCCAGAAGCCGCTTCAGGGGACGAA
CTCCTAGGGGTGCCAAGCCTGGCCCGCGGCGCTTGGGTGCCTCGCTCCTGGCCGCTCCTCCAGCC
TCCGTCGCTTTCAACGCTTCCCTGATGCTCGACCCGCATGTCCAGGGCGGCTTTACCAGCTCGGGAT
CCCCTTCTCTTATTTCCCCTGCAGGTTCCCGACACGGTACTCCACTTCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG216442 representing NM_005250
 Red=Cloning site Green=Tags(s)

MSHLFDPRPLPALAASPMLYL YGPERPGLPLAFAPAAALAASGRAETPQKPPYSYIALIAMAIQDAPEQRV
 TLNGIYQFIMDRFPFYHDNRQGWQNSIRHNL SLNDCFVKVPREKGRPGKGSYWTLDPRCLDMFENGNYYR
 RKRKPKPGGPAEAKRPRAETHQRSAEAQPEAGSGAGGSGPAISRLQAAPAGPSPLLDGSPAPLHWPG
 TASPNEADGAAQGA AVAVGQAARTGDGPGSPLRPASRSPKSSDKSKSFIDSILAGKQGKPPSGDE
 LLGGAKPGPGGRLGASLLAASSSLRPPFNASMLDHPHVQGGFYQLGIPFLSYFPLQVPDPTVLHFQ

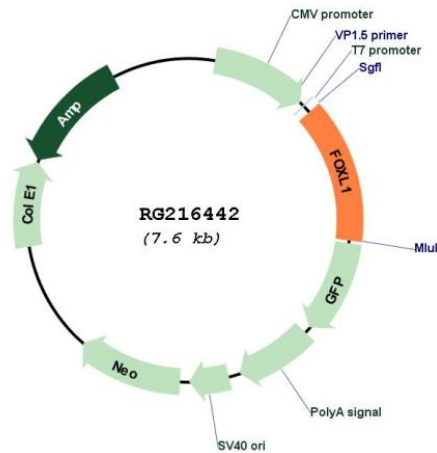
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_005250

ORF Size: 1035 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_005250.3
RefSeq Size:	1038 bp
RefSeq ORF:	1038 bp
Locus ID:	2300
UniProt ID:	Q12952
Cytogenetics:	16q24.1
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the forkhead/winged helix-box (FOX) family of transcription factors. FOX transcription factors are characterized by a distinct DNA-binding forkhead domain and play critical roles in the regulation of multiple processes including metabolism, cell proliferation and gene expression during ontogenesis. [provided by RefSeq, Nov 2012]