

Product datasheet for **RG218199**

FOXJ2 (NM_018416) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FOXJ2
Synonyms:	FHX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG218199 representing NM_018416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTTCTGACCTAGAGAGTAGCCTCACCTCCATAGACTGGCTCCCCAGCTGACCCTCCGAGCTACCA
 TTGAGAAGCTTGAAGTGCCTCCCAGGCTGGGCTCCCGGGAGCAGCCGCAAGTGTTACCAAGGGTCACC
 CACAGATCCTAATGCCACCCTGAGCAAGACGAGGCGAGTGCACCAGGACGGAAGCCACGATACAGC
 TATGCCACTCTATCACCTATGCCATCACTCTCTCCAGCCAAGAAGTACCCTCAGCGAGATTTACC
 GCTGGATCTGTGATAACTTCCCCTATTACAAGAATGCTGGCATTGGTTGGAAGAATCAATACGGCACAA
 CCTTTCTCTCAACAAGTGTTCGGAAGGTGCCAGACCTCGGGATGACCCTGGGAAGGGTTCCTATTGG
 ACAATTGACACCTGCCCTGACATTTCCGAAAGAGAAGACACCCTCCAGATGATGATCTGTCCCAAGACT
 CACCAGAACAGGAGGCAAGCAAGAGCCACGGGAGGCGTTGCAGGGAGTGGAGAAGCCTCACTGCCTCC
 TGAGGGGAATCCGAGATGTCACTTCAGAGCCCCACATCTATGCCAGCTACAGCCAGGGCAGAGATCT
 GTGGATGGTGGAGCAGTGGCAGCAGGGGCTTCAGGCCGAGAAAGTCTGAGGGTCCCCCTCCCCTCTATA
 ACACCAACCATGACTTTAAATTCTCTACTCAGAGATCAACTTTCAGGATCTAAGTGGTCTTCCGCAA
 CCTCTATAAGTCCATGCTGGAGAAGTCTTCTCTCTCAGCAGCGCTTTTCTTCTCTCTGGGGAC
 ATCCCACCTCGAACAATACTACATGTATCAGCAGCAGCAGCCACCGCCACCTCAACAGCAGCAGCAGC
 AGCAGCAGCCGCCACAGCCACCTCCCAGCAGTCCCAGCCACAGCAGCAGCAGGACCTGCCAGGGCCC
 CTCAGCTGTAGGGGTGCTCTCCACTGCACACCCCAAGCACAGATGGTTGTACCCACCAGGGGAAAG
 CAAGCTGGGGCGGAAGGCTATGGGCTCCCCCTGTAATGGCCATGCATCCACCCCGCTGCAGCATGGAG
 GCTACCACCTCATCAGCACCATCCCCTCCCACCTGCCAGCAGCCACCACTCCACAGCCACAGGC
 ACAAGGCCAGGCTCCCATCAACAACACTGGCTTTGCCTTTCCTTCTGACTGGTGTCTAATATTGACTCT
 TTAAGGAAAGCTCAAGATGGTGAATCGGCTCAATTGGTCCAGCATTGAGCAGTCAACAATCTCAGAAC
 TGATGGAGAGTCTACGACAGGCAGAGCAGAAGAACTGGACCCTCGACCAGCATCACATTGCCAATCTGTG
 TGACTCCCTCAACCACTTCTTACTCAGACTGGTCAGTGCCCCCTCAAGGGGTACCCACCGCCACCA
 GCCCCGCCCCGATTGCTGACTCCTGTGCCCTCACCAGTGGCAAACAGGAGTACGCCATGAGCCAAAGTGA
 ACTCTTATGGGCACCCACAAGCTCCCACCTCTACCCTGGCCCATACCAATGTACCCAATCCCCACCCA
 GGACTCAGCAGGATACAATCGCCAGCACACCATATGGTCCCTCGGCCATCAGTGCCACCTCCTGGTGCC
 AATGAGGAGATCCCTGATGACTTCGACTGGGACTTGATCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218199 representing NM_018416
 Red=Cloning site Green=Tags(s)

MASDLESSLTSIDWLPQLTLRATIEKLGSASQAGPPGSSRKCSPGSPTDPNATLSKDEAAVHQDGKPRYS
 YATLITYAINSSPAKKMTLSEIYRWICDNFPYYKNAGIGWKNSIRHNLNLNCKFRKVP RPDDPGKGSY
 TIDTCPDISRKRHPDDDLSDSPEQEASKSPRGVAGSGEASLPPEGNPQMSLQSPTSIASYSQGTGS
 VDGGAVAAGASGRESAEGPPPLYNTNHFKFYSYSEINFQDLWSFRNLYKSMLEKSSSSSQHGFSSLLGD
 IPPSNYYMYQQQPPPPQQQQQQQPPPPQQSQPQQQAPAAQGPSAVGGAPPLHTPSTDGCTPPGGK
 QAGAEGYGGPPVMAMHPPPLQHGGYHPHQHHPHSHPAQQPPPPQQAQGGQAPINNTGFAFPDWCNSIDS
 LKESFKMNVNRLNWSSIEQSQFSELMESLRQAEQKNWTLQHHIANLCDLNLHFLTQTGHVPPQGGTHRPP
 APARIADSCALTSKGQESAMSQVNSYGHPPHLYPGPSPMYPIPTQDSAGYNRAHHMVPRPSVPPPGA
 NEEIPDDFDWDLIT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018416

ORF Size: 1722 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.

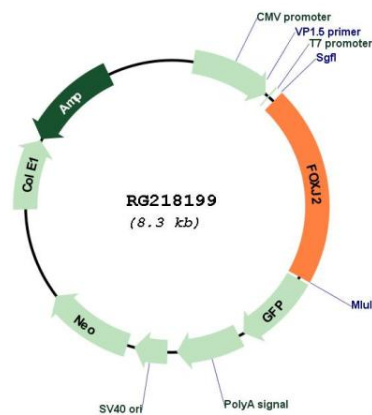
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018416.3](#)

RefSeq Size: 5499 bp

RefSeq ORF:	1725 bp
Locus ID:	55810
UniProt ID:	Q9P0K8
Cytogenetics:	12p13.31
Domains:	FH
Protein Families:	Transcription Factors
Gene Summary:	Transcriptional activator. Able to bind to two different type of DNA binding sites. Isoform FOXJ2.L behaves as a more potent transactivator than FOXJ2.S.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218199