

Product datasheet for **RG214562**

FOXBI (NM_012182) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FOXBI
Synonyms:	FKH5; HFKH-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214562 representing NM_012182
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCGGCCCGGCCGCAACACGTACAGCGACCAGAAGCCGCCCTACTCGTACATCTCGCTGACCGCTA
TGGCCATCCAGAGCTCTCCGAGAAGATGCTGCCGCTGAGCGAGATCTACAAGTTCATCATGGACCGCTT
CCCCTACTACAGGGAGAACACGCAGCGCTGGCAGAACAGTCTGCGCCACAACCTCTCCTTCAACGACTGC
TTCATCAAGATCCCGCGGCGGCCGACAGCCAGGCAAGGGCAGCTTCTGGGCGCTGCACCCAAGCTGCG
GGGACATGTTTCGAGAACGGCAGCTTCTGCGGCGCCGCAAGCGCTTCAAGGTGCTTAAGTCCGACCACT
GGCGCCAGCAAGCCAGCCGACGCGGCGCAGTACCTGCAGCAGCAGGCCAAGCTGCGGCTCAGCGCGCTG
GCGGCCTCGGGCACGCACCTGCCACAGATGCCCGCCGCCCTACAACCTGGGCGGCGTGGCGCAGCCCT
CGGGCTTCAAGCACCCCTTCGCCATCGAGAACATCATCGCGCGGAATAACAAGATGCCTGGGGGGCTGGC
CTTCTCCGCCATGCAGCCGGTGCCCGCTGCTACCCGCTCCCAACCAAGTTGACTACCATGGGCGAGCTCG
CTGGGCAACCGCTGGCCACACGTGTATGGCTCCGCCGCGATGATCGACTCGGCCACCCCATCTCCATGG
CGAGTGGGCACTACAGCGCCTACGGCGTGCCGTTGAAGCCGCTGTGCCACGCGCGGGCCAAACGCTGCC
CGCCATCCCGTGCCCATTAAGCCACGCCGCGCCGCTGCCGCGCTGCCTGCGCTGCCAGCGCCCATC
CCCACCTTGCTCTCGAACTCGCCGCCCTCGCTCAGCCCCACGTCTCGCAAAACAGCCACCGCAAGCA
GCCCGGCCACCCAGCGAAACGCTCACCAGCCCGCCTCCGCTTGCCTCGGTGGCGGTGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG214562 representing NM_012182

Red=Cloning site Green=Tags(s)

MPRPGRNTYSQDKPPYSYISLTAMAIQSSPEKMLPLSEIYKFIMDRFPYYRENTQRWQNSLRHNL SFNDC
FIKIPRRPDQPGKGSFWALHPSCGDMFENGSLRRRKRKFKVLKSDHLAPSKPADAAQYLQQAKLRLSAL
AASGTHLPQMPAAAYNLGGVAQPSGFKHPFAIENIIAREYKMPGGLAFSAMQPVPAAYPLPNQLTTMGSS
LGTGWPHVYGSAGMIDSATPISMASGDYSAYGVPLKPLCHAAGQTLPAIPVPIKPTPAAVPALPALPAPI
PTLLSNSPPSLPTSSQTATSQSSPATPSETLTSPASALHSVAHV

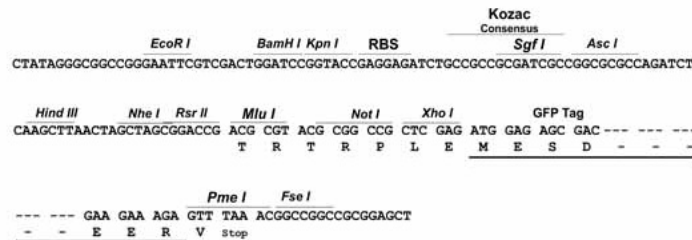
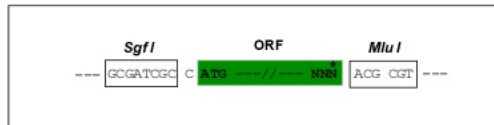
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_012182

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.

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

RefSeq: [NM_012182.3](#)

RefSeq Size: 1459 bp

RefSeq ORF: 978 bp

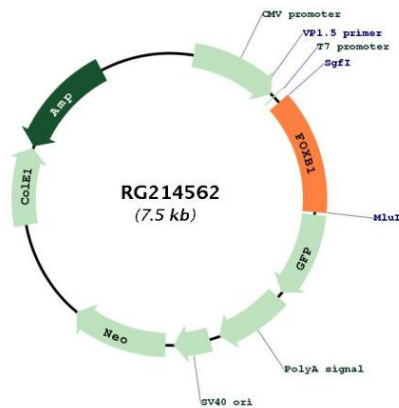
Locus ID: 27023

UniProt ID: [Q99853](#)

Cytogenetics: 15q22.2

Protein Families: Transcription Factors

Product images:



Circular map for RG214562