

Product datasheet for **RG219351**

GBX1 (NM_001098834) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GBX1 (NM_001098834) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GBX1
Synonyms:	Huh-17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219351 representing NM_001098834 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCAGCGGGCCGAGGCGGTAGCGCCCTGGGGCAACGGCGGGGGCGGCGGGGGCCCGGCACTG
 CCTTCTCCATCGACTCCCTAATCGGGCCGCCGCCGCGCTCCGGCACTTGCTGTACACCGGCTACCC
 CATGTTTCATGCCCTACCGCCGCTCGTGTGCCGAGGCGCTGGCCCTGCGCCGCTGCCGCTGGCCTC
 CCGCCCTCGCCCGCTAGCCTCTTCGCCGGCCGCTTACCAACACCTTCTGCGCGGGGCTGGGTACGG
 CTGTGCCCTCGATGGTGGCGCTGACCACGCGCTGCCAGCTTCGCGGAGCCGCCGACGCTTTCTACGG
 GCCCAGGAGCTCGCCGCGCCGCTGCCGCCGCCGCCACTGCCGCCGAAACAACCCGAGCCAGGC
 GGCCGACGCCCAGAGGGTGGGCTGGAAGCTGATGAGCTGCTGCCGGCCCGGAGAAAGTGACAGAGCCCC
 CACCACCTCCGCCTCCGCACTTCTCAGAGACTTTTCCAAGTCTGCCCGCAGAGGGGAAGGTGTACAGCTC
 AGATGAGGAGAAGCTGGAGGCATCAGCAGGAGACCCAGCAGGCAGCAACAGGAGGAAGAGGGCTCAGGC
 GGTGACAGCGAGGATGACGGTTTCTGGACAGTTCTGCAGGGGGCCAGGGGCTCTTCTGGGACCTAAAC
 CGAAGCTAAAGGAAGCCTGGGACTGGAGCTGAGGAGGGGGACCGGTGACAGCAGGGGTCACAGCTCC
 TGGGGGAAAAGCCGACGGCGCCGACAGCATTTACCAGCGAGCAGCTTTTGAATTGGAGAAGGAATTT
 CATTGCAAGAAATACCTGAGCTTGACAGAGCGCTCTCAGATCGCCACGCCCTCAAGCTCAGTGAGGTGC
 AGGTCAAGATCTGGTTTCAGAATCGACGGGCCAAGTGGAAGCGCATCAAAGCTGGCAATGTGAGCAGCCG
 TTCTGGGAGCCCGTAAGAAACCCCAAGATTGTTGTCCCATACCTGTGCATGTCAACAGGTTTGTGTG
 CGGAGCCAGCACCAACAATGGAGCAGGGGGCCCGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG219351 representing NM_001098834
 Red=Cloning site Green=Tags(s)

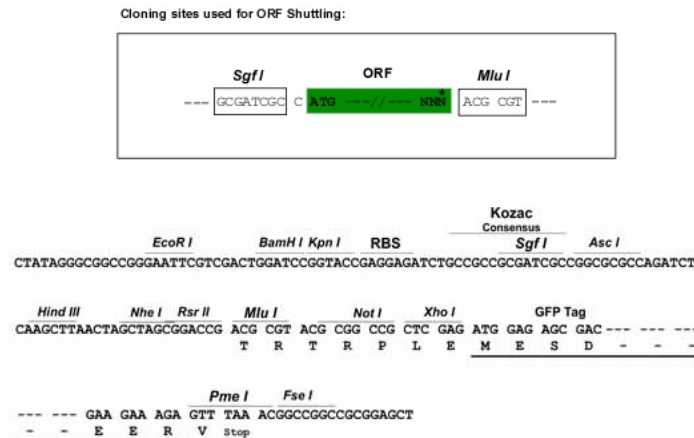
MQRAGGGSAPGGNGGGGGGGPGTAFSIDSLIGPPPPRSGHLLYTGYPMFMPYRPLVLPQALAPAPLPAGL
 PPLAPLASFAGRLTNTFCAGLGQAVPSMVALTTALPSFAEPPDAFYGPQELAAAAAATAARNNPEPG
 GRRPEGGLEADELLPAREKVAEPPPPPPHSETFPSLPAEGKVYSSDEEKLEASAGDPAGSEQEEEGSG
 GDSDDGFLDSSAGGPGALLGPKPKLKGSLGTGAEEGAPVTAGVTAPGGKSRRRRTAFTSEQLLELEKEF
 HCKKYLTLTERSQIAHALKLSEVQVKIWFQNRRAKWKRIKAGNVSSRSGEPVRNPKIVVPIPVHVNRFV
 RSQHQQMEQGARP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001098834

ORF Size: 1089 bp

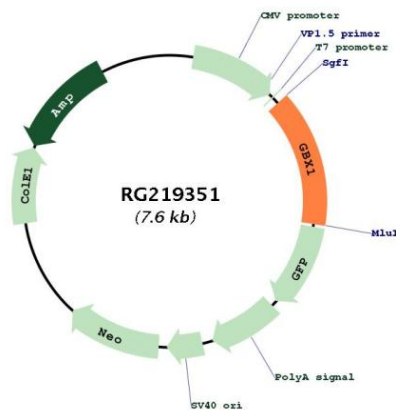
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.
RefSeq:	<u>NM_001098834.2, NP_001092304.1</u>
RefSeq Size:	1324 bp
RefSeq ORF:	1092 bp
Locus ID:	2636
UniProt ID:	<u>Q14549</u>
Cytogenetics:	7q36.1

Product images:



Circular map for RG219351