

Product datasheet for RG213735

HOXB9 (NM_024017) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HOXB9 (NM_024017) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: HOXB9

Synonyms: HOX-2.5; HOX2; HOX2E

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG213735 representing NM_024017

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AGAACCGGCGGATGAAAATGAAGAAAATGAATAAGGAGCAGGGCAAAGAG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Protein Sequence: >RG213735 representing NM_024017

Red=Cloning site Green=Tags(s)

MSISGTLSSYYVDSIISHESEDAPPAKFPSQQYASSRQPGHAEHLEFPSCSFQPKAPVFGASWAPLSPHA SGSLPSVYHPYIQPQGVPPAESRYLRTWLEPAPRGEAAPGQGQAAVKAEPLLGAPGELLKQGTPEYSLET SAGREAVLSNQRPGYGDNKICEGSEDKERPDQTNPSANWLHARSSRKKRCPYTKYQTLELEKEFLFNMYL TRDRRHEVARLLNLSERQVKIWFQNRRMKMKKMNKEQGKE

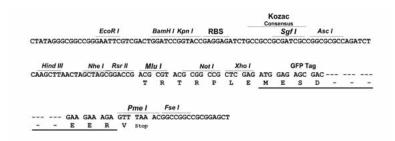
SGPTRTRRLE - GFP Tag - V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:





ACCN: NM_024017

ORF Size: 750 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 customercom 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 024017.5</u>

 RefSeq Size:
 2583 bp

 RefSeq ORF:
 753 bp

 Locus ID:
 3219

 UniProt ID:
 P17482

 Cytogenetics:
 17q21.32

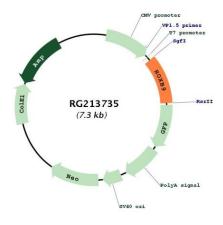
Protein Families: Transcription Factors

Gene Summary: This gene is a member of the Abd-B homeobox family and encodes a protein with a

homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of leukemia, prostate cancer and lung cancer. [provided

by RefSeq, Jul 2008]

Product images:



Circular map for RG213735