

## 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 Sequence:	>RG213735 representing NM_024017 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCATTTCTGGGACGCTTAGCAGCTATTATGTCGACTCGATCATAAGTCACGAGAGTGAGGACGCGC  
CTCCAGCCAAGTTTCTTCTGGCCAGTACGCGAGCTCGCGGCAGCCGGGCCACGCGGAGCACCTGGAGTT  
CCCCTCGTGCAGTTCCAGCCCAAAGCGCCGGTGTTCGGCGCCTCCTGGGCGCCGCTGAGCCCGCACGCG  
TCCGGGAGCCTGCCGTCCGTCTACCACCCTTACATCCAGCCCCAGGGCGTCCCGCCGGCCGAGAGCAGGT  
ACCTCCGCACCTGGCTGGAGCCGGCGCCGCGCGGAAGCGGCCCCGGGGCAGGGCCAGGCGGCGGTGAA  
GGCGGAGCCGCTGCTGGGCGCGCCTGGGAGCTGCTCAAACAGGGCACGCCCGAGTACAGTTTGAAACT  
TCGGCGGGCAGGGAGGCCGTGTGTCTAATCAAAGACCCGGCTACGGGGACAATAAAATTTGCGAAGGAA  
GCGAGGACAAAGAGAGGCCGGATCAAACCAACCCCTCCGCCAACTGGCTGCACGCTCGCTCTTCCCGGAA  
AAAGCGCTGTCCCTACACCAAATACCAGACGCTGGAGCTAGAGAAGGAGTTTCTGTTCAATATGTACCTC  
ACCAGGGACCGTAGGCACGAAGTGGCCAGACTCCTCAATCTGAGTGAGAGACAAGTCAAATCTGGTTTC  
AGAACCGCGGATGAAAATGAAGAAAATGAATAAGGAGCAGGGCAAAGAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

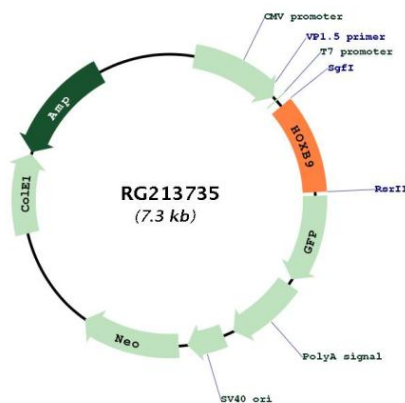


[View online »](#)



- 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:** [NM\\_024017.5](#)
- 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