

## Product datasheet for **RC207380**

### **BHLHB9 (NM\_030639) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BHLHB9 (NM_030639) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BHLHB9
Synonyms:	GASP3; p60TRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC207380 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGGGACTAAGAATAAGACAAGAGCCAGGCCAAAAGCTGAAAAAAGGCTGCTATACAAGCTAAAG  
 CTGGAGCAGAGAGGGAGGCTACTGGTGTGTTAGGCCTGTAGCCAAGACCAGGGCCAAAGCAAAGCCAA  
 GACAGGGTCTAAGACAGATGCAGTAGCAGAGATGAAGGCAGTGTCTAAGAACAAGGTTGTTGCTGAGACG  
 AAGGAAGGAGCTCTGTCAGAGCCTAAGACTCTGGGCAAAGCCATGGGAGATTTCACTCCCAAGGCTGGGA  
 ATGAGTCCACCAGCTCCACATGTAAAAATGAGGCTGGTACTGATGCCTGGTTCTGGGCTGGGGAAGAGGC  
 CACTATCAATTCCTGGTCTGGAATGGAGAAGAGGCTGGTAATAGTTTCAGCACTAAGAATGATAAACT  
 GAAATTTGGTGGCCAGGCTGTGCTGAGGAGTTGGAACCTGCGGCTGGGCGGATTGCAAACCTAGGTCAG  
 GGGCTGAGGAGGAGGAGGAAGAGAATGTTATTGGGAAGTGGTTTGGGAAGGAGATGATACTAGTTTTGA  
 CCCTAATCCTAAACCTGTGAGCAGGATAGTTAAGCCTCAGCCTGTGTATGAAATTAATGAAAAAATAGG  
 CCCAAGGACTGGTCTGAGGTAATCTGGCCCAATGCCCTGCTGTAACCTCCAGCTGTGTTAGGATTTA  
 GATCACAGGCACCATCTGAGGCAAGCCCTCCTTCATATATTGTTCTGGCCTCCGCTGAAGAAAATGCCTG  
 TTCTTTGCCTGTGGCAACAGCTTGCCGCCCTTCTAGGAACACTCGCTCATGCTCACAGCCTATCCCTGAG  
 TGTCGTTTTGATTCTGACCCCTGCATCCAGACCATAGATGAGATTAGACGTCAAATCAGGATCAGGGAGG  
 TAAATGGGATTAAGCCATTTGCTGTCTTGCAAAATGGAATGCTATATGGATTCTGAGGAATTTGAAAA  
 ACTTGTAGCTTACTTAAGTCAACTACTGATCCTCTTATTCATAAAAATAGCACGGATTGCAATGGGTGTC  
 CATAATGTTCACCCATTTGCCAAAGAGTTTATTAACGAAGTAGGTGTAGTGACACTTATTGAAAGCTTGC  
 TCAGTTTTCTTCCCCTGAAATGAGAAAAAGACTGTAATTAAGTCTGAATCCTCCTCTGGGGATGAAAG  
 ACAACGCAAAAATTGAATTACATGTTAAGCATATGTGTAAGAAACCATGTCATTTCTTTGAACTACCG  
 GGACAGCAATCTGGATTAAGATACTAGGACAAGTACTGACTACTGATTTTGTCCATCACTACATTGTTGCCA  
 ATTACTTTTTCAGAGCTTTTCCATTTGCTGTCTCAGGAAATGCAAAAACCAGAAATCTTGTTTTGAAGT  
 ACTTTTAAATATGCTGAAAATCCAAGTGCAGCCAGAGACATGATCAATATGAAGGCATTGGCAGCATTAA  
 AAAGTCACTTTAACCAGAAAGAGGCAAAAGCCAACTTGTAGTGGTGTGGCCATTTTATTAACATAA  
 AGGAGCATATCAGAAAAGGCTCAATTGTAGTTGTTGATCACTTGAGTTATAATCACTCATGGCCATTTT  
 CAGGGAAGTTAAGAGATTATTGAAACAATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC207380 protein sequence  
 Red=Cloning site Green=Tags(s)

MAGTKNKTRAQAKTEKKAIIQAKAGAEREATGVVPRPAKTRAKAKAKTGSKTDVAEMKAVSKNKVVAET  
 KEGALSEPRTLKAMGDFTPKAGNESTSSCKNEAGTDAWFWAGEEATINSWFWNGEEAGNSFSTKNDKP  
 EIGAQVCAEELEPAAGADCKPRSGAEEEEENVIGNWFEGDDTSFDPNPKPVSRIKPKQPVYEINEKNR  
 PKDWSEVTIWPNAVTPAVLGFERSQAPSEASPPSYIVLASAEENACSLPVATACRPSRNRTRSCSQPIPE  
 CRFSDSPCIQTIDEIRRQIRIREVNGIKPFACPKMECYMDEEFELVSLKSTTDPLIHKIARIAMGV  
 HNVHPFAQEFINEVGVVTLIESLLSFPSPEMRKTIVITLNPPSGDERQRKIELHVHKMKETMSFPLNSP  
 GQQSGLKILGQLTTDFVHHYIVANYFSELFHLLSSGNCKTRNLVLKLLNMSNPNTAARDMINMKALAAL  
 KLIFNQEKANLVSGVAIFINIKHEIRKGSIVVVDHLSYNTLMAIFREVKEIETM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6340\\_f01.zip](https://cdn.origene.com/chromatograms/mk6340_f01.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_030639

**ORF Size:** 1641 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.

**RefSeq:** [NM\\_030639.1](#), [NP\\_085142.1](#)

**RefSeq Size:** 4000 bp

**RefSeq ORF:** 1644 bp

**Locus ID:** 80823

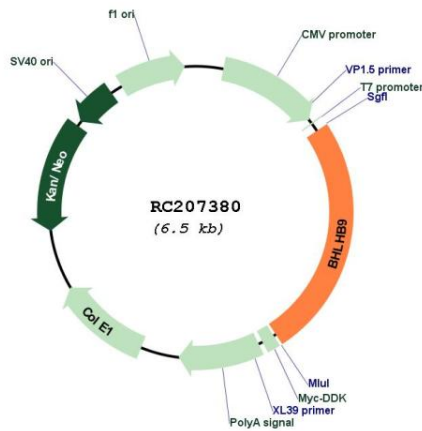
**UniProt ID:** [Q6PI77](#)

**Cytogenetics:** Xq22.1

**MW:** 60.3 kDa

**Gene Summary:** This gene is a member of a gene family which encodes proteins with a basic helix-loop-helix domain. Other members of this gene family encode proteins which function as transcription factors, either enhancing or inhibiting transcription depending on the activity of other DNA binding proteins. The coding region of this gene is located entirely within the terminal exon. The encoded protein may be involved in the survival of neurons (PMID: 15034937). Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2011]

**Product images:**



Circular map for RC207380