

## Product datasheet for **SC121453**

### **BHLHB9 (NM\_030639) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BHLHB9 (NM_030639) Human Untagged Clone
Tag:	Tag Free
Symbol:	BHLHB9
Synonyms:	GASP3; p60TRP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_030639 edited  
 ATGGCTGGGACTAAGAATAAGACAAGAGCCAGGCCAAAAGCTGAAAAAAGGCTGCTATA  
 CAAGCTAAAGCTGGAGCAGAGAGGGAGGCTACTGGTGTGTTAGGCCTGTAGCCAAGACC  
 AGGGCCAAAGCAAAGCCAAGACAGGGTCTAAGACAGATGCAGTAGCAGAGATGAAGGCA  
 GTGTCTAAGAACAAGGTTGTTGCTGAGACGAAGGAAGGAGCTCTGTCAGAGCCTAAGACT  
 CTGGGCAAAGCCATGGGAGATTTCACTCCCAAGGCTGGGAATGAGTCCACCAGCTCCACA  
 TGTAAAAATGAGGCTGGTACTGATGCCTGGTTCTGGGCTGGGGAAGAGGCCACTATCAAT  
 TCCTGGTTCTGGAATGGAGAAGAGGCTGGTAATAGTTTCAGCACTAAGAATGATAAACCT  
 GAAATTGGTGCCAGGTCTGTGCTGAGGAGTTGGAACCTGCGGCTGGGGCCGATTGCAAA  
 CCTAGGTCAGGGGCTGAGGAGGAGGAGGAAGAGAATGTTATTGGGAACTGGTTTTGGGAA  
 GGAGATGATACTAGTTTTGACCCTAATCCTAAACCTGTGAGCAGGATAGTTAAGCCTCAG  
 CCTGTGTATGAAATTAATGAAAAAATAGGCCAAGGACTGGTCTGAGGTAACCTATCTGG  
 CCCAATGCCCTGCTGTAACCTCAGCTGTGTTAGGATTTAGATCACAGGCACCATCTGAG  
 GCAAGCCCTCCTTCATATATTGTTCTGGCCTCCGCTGAAGAAAATGCCTGTTCTTTGCC  
 GTGGCAACAGCTTGCCGCCCTTCTAGGAACACTCGCTCATGCTCACAGCCTATCCCTGAG  
 TGTGTTTTGATTCTGACCCCTGCATCCAGACCATAGATGAGATTAGACGTCAAATCAGG  
 ATCAGGGAGGTAATGGGATTAAGCCATTTGCTTGCCTTGCAAAATGGAATGCTATATG  
 GATTCTGAGGAATTTGAAAACTTGTTAGCTTACTTAAGTCAACTACTGATCCTCTTATT  
 CATAAAATAGCACGGATTGCAATGGGTGTCATAATGTTACCCATTTGCCCAAGAGTTT  
 ATTAACGAAGTAGGTGTAGTGACACTTATTGAAAGCTTGCTCAGTTTTCTTCCCTGAA  
 ATGAGAAAAAAGACTGTAATTAAGTCTGAATCCTCCTTCTGGGGATGAAAGACAACGCAAA  
 ATTGAATTACATGTTAAGCATATGTGTAAGAAACCATGTCATTTCTTTGAACTCACC  
 GGACAGCAATCTGGATTAAGACTACTAGGACAAGTACTGATTTTGTCCATCACTAC  
 ATTGTTGCCAATTACTTTTCAGAGCTTTTCCATTTGCTGTCCTCAGGAAATGCAAAACC  
 AGAAATCTGTTTTGAACTACTTTTAAATATGTGAAAATCCAAGTGCAGCCAGAGAC  
 ATGATCAATATGAAGGCATTGGCAGCATTAAAACCTCATCTTTAACAGAAAGAGGCAAAA  
 GCCAATCTTGTTAGTGGTGTGGCCATTTTATTAACATAAAGGAGCATATCAGAAAAGGC  
 TCAATTGTAGTTGTTGATCACTTGAGTTATAATACTCATGGCCATTTTCAGGGAAGTT  
 AAAGAGATTATTGAAACAATGTAA

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_030639

**Insert Size:** 1600 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:** 4004 bp

**RefSeq ORF:** 1644 bp

**Locus ID:** 80823

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

**Cytogenetics:** Xq22.1

**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]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-8 encode the same protein.