

Product datasheet for **RG226822**

BHLHB9 (NM_001142527) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BHLHB9
Synonyms:	GASP3; p60TRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226822 representing NM_001142527
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGGGACTAAGAATAAGACAAGAGCCAGGCCAAAAGTGAAGGCTGCTATACAAGCTAAAG
 CTGGAGCAGAGAGGGAGGCTACTGGTGTGTTAGGCCTGTAGCCAAGACCAGGGCCAAAGCAAAAGCCAA
 GACAGGGTCTAAGACAGATGCAGTAGCAGAGATGAAGGCAGTGTCTAAGAACAAGGTTGTTGCTGAGACG
 AAGGAAGGAGCTCTGTGAGAGCCTAAGACTCTGGGCAAGCCATGGGAGATTCTACTCCCAAGGCTGGGA
 ATGAGTCCACCAGCTCCACATGTAAAAATGAGGCTGGTACTGATGCCTGGTTCTGGGCTGGGGAAGAGGC
 CACTATCAATTCTGGTTCTGGAATGGAGAAGAGGCTGGTAATAGTTTCAGCACTAAGAATGATAAACCT
 GAAATTGGTCCCAGGTCTGTGCTGAGGAGTTGGAACCTGCGGCTGGGGCCGATTGCAAACTAGGTCAG
 GGGCTGAGGAGGAGGAAGAGAATGTTATTGGGAAGTGGTTTGGGAAGGAGATGATACTAGTTTGA
 CCCTAATCCTAAACCTGTGAGCAGGATAGTTAAGCCTCAGCCTGTGTATGAAATTAATGAAAAAATAGG
 CCCAAGGACTGGTCTGAGGTAACATCTGCCCCAATGCCCCCTGCTGTAACCTCAGCTGTGTTAGGATTTA
 GATCACAGGCACCATCTGAGGCAAGCCCTCCTTCATATATTGTTCTGGCCTCCGCTGAAGAAAAATGCCTG
 TTCTTTGCCTGTGGCAACAGCTTCCCGCCCTTCTAGGAACACTCGCTCATGCTCACAGCCTATCCCTGAG
 TGTGTTTTGATTCTGACCCCTGCATCCAGACCATAGATGAGATTAGACGTCAAATCAGGATCAGGGAGG
 TAAATGGGATTAAGCCATTGCTTGTCTTGCCTTGCAAAATGGAATGCTATATGGATTCTGAGGAATTTGAAA
 ACTTGTAGCTTACTTAAGTCAACTACTGATCCTCTTATTCATAAAATAGCACGATTGCAATGGGTGTC
 CATAATGTTCAACCATTTGCCCAAGAGTTTATTAAACGAAGTAGGTGTAGTGACACTTATTGAAAGCTTGC
 TCAGTTTTCTCCCTGAAATGAGAAAAAGACTGTAATTACTCTGAATCCTCCTTCTGGGATGAAAG
 ACAACGCAAAATTGAATTACATGTTAAGCATATGTGTAAGAAACCATGTCATTTCTTTGAACTCACCG
 GGACAGCAATCTGGATTAAGATACTAGGACAACCTGACTACTGATTTTGTCCATCACTACATTGTTGCCA
 ATTACTTTTCAAGCTTTTCCATTTGCTGTCTCAGGAAATGCAAAACCAGAAATCTTGTTTTGAAGT
 ACTTTTAAATATGTCTGAAAAATCCAACCTGCAGCCAGAGACATGATCAATATGAAGGCATTGGCAGCATT
 AAACATCATCTTTAACCAGAAAGAGGCAAAAGCCAATCTTGTAGTGGTGTGGCCATATTTATTAACATAA
 AGGAGCATATCAGAAAAGGCTCAATTGTAGTTGTTGATCACTTGAATTATAATACACTCATGGCCATTTT
 CAGGGAAGTTAAAGAGATTATTGAAACAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226822 representing NM_001142527
 Red=Cloning site Green=Tags(s)

MAGTKNKTRAQAKTEKAAIQAKAGAEREATGVVRPVAKTRAKAKAKTGSKTDVAEMKAVSKNKVVAET
 KEGALSEPRTLKAMGDFTPKAGNESTSSTCKNEAGTDAFWAGEEATINSWFNNGEEAGNSFSTKNDKP
 EIGAQVCAEELEPAAGADCKPRSGAEENNVGNWFEGDDTSFDPNPKPVSRIKVPQPVYEINEKNR
 PKDWSEVTIWPNAVTPAVLGFERSQAPSEASPPSYIVLASAEENACSLPVATACRPSRNTRSCSQPIPE
 CRFSDSPCIQTIDEIRRIQIREVNGIKPFACPKMECYMDSEEFELVSLKSTTDPLIHKARIAMGV
 HNVHPFAQEFINEVGVTLLIESLLSFSPPEMRKKTIVITLNPSPGDERQRKIELHVHKMKETMSFPLNSP
 GQQSGLKILGQLTDFVHHYIVANYFSELFHLLSSGNCKTRNLVLKLLNMSNPATAARDMINMKALAAL
 KLIFNQKEAKANLVSGVAIFINIKHIRKGSIVVDHLSYNTLMAIFREVKEIETM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001142527

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

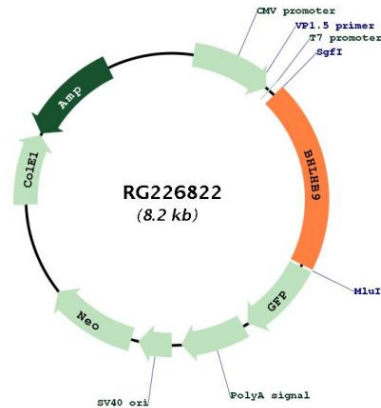
RefSeq: [NM_001142527.1](#), [NP_001135999.1](#)

RefSeq Size: 4083 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]

Product images:



Circular map for RG226822