

Product datasheet for **RR205115**

Bhlhb9 (NM_207611) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bhlhb9 (NM_207611) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bhlhb9
Synonyms:	p60TRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205115 representing NM_207611
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTGGCTCAAAGAATAAGGCTCGGGCTCAGGCTAACTGAAAAGAGGGCAAGTGCACAAGCCAAAG
 CTGCAGCAGAGAGAGAGGCTGCTAATGCAGGCAGAGGTGCAGGCAAAAACCGGGACAAAGGGAAGGGTAA
 GGCAGGCTCTAAAACAGATGCAGTGGCAGAGGCCAAGGCGGGCTCTAAGAGCAAGGTAGTTGCTGAGACA
 AAAGAAGGAGCAAGACCAGAATCTAAGGCTGTAGCAAAAGGCACATCAGATTTCAACCATAAGGCTGAGA
 ACAAGTACGCTAGATCCGCACGTAAGATAAGCCAGTAGTGATAGCTGGTTTTGGGCTGGAGAAGATTC
 TGGTATCAATTCCTGGTTCTGGAAGGGAGAAGAGGTTAGTAACAATTCTGTTGCCAAGTGTGAAAATAAA
 CCTAGTACTAGTATCCAGGCCGTGGAGGAGCACACGCCTAGAACCAGCCACAAGTCTAGGTCAGGAG
 CTGAGGAAGAGGAGAAGAGAATGTTATAGGGAAGTGGTTTTGGGAAGGAGATGACTGTTTTGATTC
 TGATCCTAAACCTGTGTTCAAAAATAGTAAACCTCAGCCAGTAGTGAATAAATGAAAAGGATAGGCCA
 AAGGACTGGTCCGAGGTAACATCTGGCCAAAGCTCCTGCTGTAACCCAGCAGTGTAGGTTATAGAT
 CTCAGGACTCATCTGAGGGAAGGCCCTTTCATATATTGTTCTGGCCTCAATGAAGAGGAACTTCAAC
 AACCTGTACTAAGAATACTCGTTCAAGCCTCCAGCCTATACCTGAGTATCCATTTGGATCTGATCCTTGC
 ATACAGACCTTAGATGAAATTAGACAGCAAATCAAGATCAGAGAAGAGAATGGCATCAAGCCCTTTGCTT
 GCCCTTGCAAAATGGAGTGCTATTTGGATTCTCCGGAATTTGAAAAGCTTGTTAACAATAAAGTCAAC
 TACTGATCCCTTATTCATAAAATAGCACAGATTGCAATGGGTATCCATAAAGTTCATCCGTTTGCCCG
 GAATTCATTAATGAAGTGGTGGTGGTACGCTTATTGAAAGCTTGCTCAGTTTTTCTCCCTGAAGTTA
 GTATAAAAAGGCTGTTATTACTCTGAACCTTCCGGGATGACAGACAACAATGGTTGAATTTGATGT
 TAAGCATATGTGTAAGAACCGGTATCTTTCCCTTGAACCTCACCTGGCCAGCAATCTGGATTAAGATA
 ATAGGGCAGCTGACGACTGAGTCTGTCCATCACTACATTGTAGTTAGCTACTTTTCAGAGCTTTTCCATT
 TGCTGTCCAGGAAATCGTAAGACTAGGAATCTTGTTTTGAAAGTATTTTGAATATGTCTGAAAATCC
 CAAGGCAGCCAGAGATATGATAAATATGAAGGCATTAGCAGCATTAAACTCATCTTTAACCACAAAAGAG
 GCAAAAGCCAATCTTGAGTGTGTGGCCATCTTTAATAACATAAAGGAGCATATTAGAAAGGGCTCAA
 TTGTAGTAGTTGATCACTTGAGTACAATACTCTACTGCCATATCCGTGAAGTAAAGGGATTATTGA
 AAGAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205115 representing NM_207611
 Red=Cloning site Green=Tags(s)

MTGSKNKARAQAKLEKRASAQAKAAAEREANAGRAGKNRDKGKAGSKTDAVAEAKAGSKSVVAET
 KEGARPESKAVAKGTSDFNHKAENKYARSARKDKPSSDSWFWAGEDSGINSWFWKGEEVSNNSVAKCENK
 PSTSIQARVEEHTPRTSHKSRSGAEENVEENVIGNWFEGDDTGFSDPKPVFKIVKQPVEINEKDRP
 KDWSEVTIWPKPAVTPAVLGYRSQDSSEGRPSSYIVLASNEEETSTTCTKNTRSSLQPIPEYFPFGSDPC
 IQTLDEIRQQIKIREENGIKPFACPKMECYLDSPEFEKLVNILKSTTDPLIHKIAQIAMGIHKVHPFAQ
 EFINEVGVVTLIESLLSFSSPEVSIKKAIVITLNSGDDRQMVFEHVHKMCKETVSFPLNSPGQSSGLKI
 IGQLTTESVHHYIVVSYFSELFHLLSQGNRKRNLVVKVFLNMSENPKAARDMINMKALALALIFNQKE
 AKANLVSVAVAIFINIKHIRKGSIVVDHLSYNTLTAIFREVKGIIERM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_207611

ORF Size: 1617 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_207611.1](#), [NP_997494.1](#)

RefSeq Size: 2701 bp

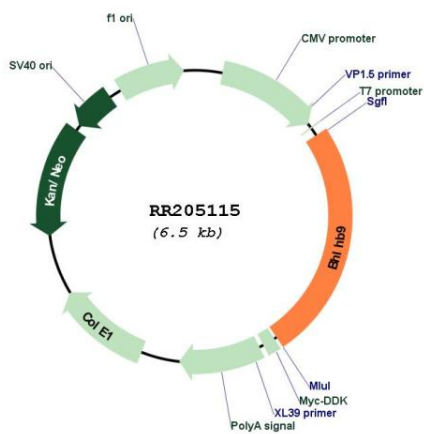
RefSeq ORF: 1620 bp

Locus ID: 317407

UniProt ID: [Q71HP2](#)

Cytogenetics: Xq32
MW: 59.7 kDa
Gene Summary: May play a role in the control of cellular aging and survival.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR205115