

Product datasheet for **RG217326**

BARHL2 (NM_020063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BARHL2 (NM_020063) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BARHL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217326 representing NM_020063 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAATGGAAGGGGCCAGCGGTCGAGTTTTGGAATAGACACGATTTGTCCAGTGCCAGTTCAGGCA
GCCCAGGCATGATGAATGGAGATTTCCGCCCCTCGGTGAGGCCAGGACCGCGGATTTAGGAGTCAGGC
CACCCCATCTCCCTGTTCCGAGATTGATACCGTAGGGACGGCGCCTTCTCTCTATCTCAGTCACCATG
GAGCCCCCGAGCCGCATCTGGTAGCAGACGCGACCCAGCATCATCACCACTCCACCACAGCCAGCAGC
CGCCGCGCCGCGCGCGGCCCGACGCAAGTTTGCAGCCTTTGCCCAACAGCAGCAGCCGCTGCCGCC
ACAGCAGCCGCGCGCGGCCCGGCCCGAGCAGCTGGGCTCGGCCGCTCGGCCCGCAGGACTTCCACGTCT
TCTTTTTTAATTAAGGACATCTTGGCGCAGCAAACTCTGGCGGCATGTGCACCTACAGCACCAGCG
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GCAGGAGGACAGCAAGACCAAACTCGACAAGCGGGAGGATTCCAGAGCGACATCAAAATGCCACGGGACA
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AAGCAAGGACAGCTTTTCCGACCACAGCTCAATCAACTGGAGCGTAGCTTTGAGCGGCAGAAGTACCT
GAGCGTGCAGGATCGCATGGACCTGGCTGCAGCGCTCAACCTCACTGACACCAAGTCAAGACCTGGTAC
CAGAACCAGGACCAAGTGGAAGCGGCAGACAGCGGTGGCCTGGAGTTGCTGGCCGAGGCAGGGAAGT
ACTCGGCGCTGCAGAGGATGTTTCCATCGCCTATTTCTATACCCAAGCCTGCTGGGCAGCATGGACAG
CACTACGCGCGCGCGGCTGCCGCTGCCATGTACAGCAGCATGTACCGGACTCCTCCAGCACCCCATCCC
CAGCTGCAGCGGCCCTGGTGCCCCGTGTCTCATCCACGGCCTAGGGCCTGGGGACAGCCAGCCCTTA
ATCCATTGTCCAGCCCCATCCCAGGCACCCACACCCCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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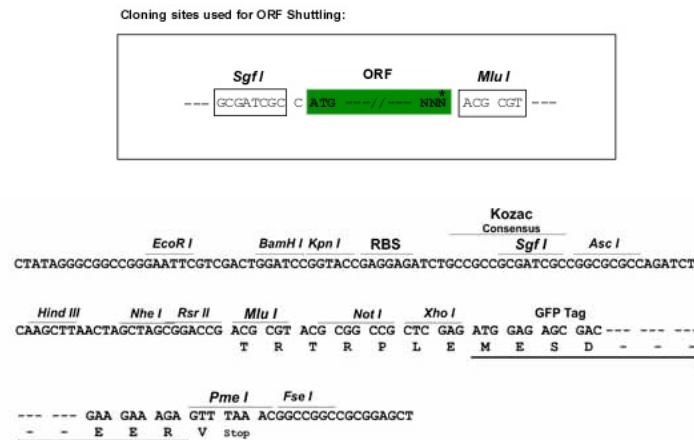
Protein Sequence: >RG217326 representing NM_020063
 Red=Cloning site Green=Tags(s)

MTMEGASGSSFGIDTILSSASSGSPGMMNGDFRPLGEARTADFRSQATPSPCSEIDTVGTAPSSPISVTM
 EPPEPHLVADATQHHLHHSQQPPPPAAAPTQSLQPLPQQQPLPPQPPPPPPQQLGSAASAPRTSTS
 SFLIKDILGDSKPLAACAPYSTSVSSPHHTPKQESNAVHESFRPKLEQEDSKTKLDKREDSQSDIKCHGT
 KEEGDREITSSRESPPVRAKKPRKARTAFSDHQLNQLERSFERQKYL SVQDRMDLAAALNLTDTQVKWTY
 QNRRTKWKRTAVGLELLAEAGNYSALQRMFSPYFYHPSLLGSMSTTAAAAAAMYSSMYRTPPAPHP
 QLQRPLVPRVLIHGLGPGGPALNPLSSPIPGTPHPR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020063

ORF Size: 1161 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_020063.2

RefSeq Size: 1496 bp

RefSeq ORF: 1164 bp

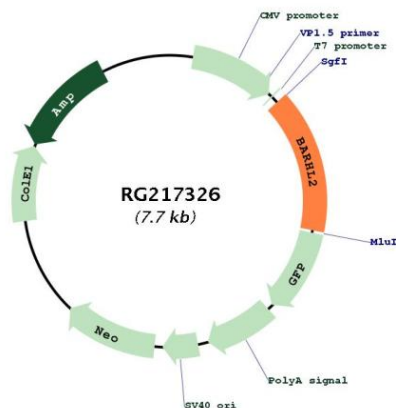
Locus ID: 343472

UniProt ID: Q9NY43

Cytogenetics: 1p22.2

Gene Summary: Potential regulator of neural basic helix-loop-helix genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG217326