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Product datasheet for RG239545

BAHD1 (NM_001301132) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAHD1 (NM_001301132) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BAHD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG239545 representing NM_001301132.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACACACACTCGGAGAAAGTCCCTTCCCATGCTGAGTTCGGGCCTCACTGGCCGCCGAGAGCCCCTG
CAGATGGAAGACAGCAACATGGAGCAGGGGGTTGAGGGTGTGGAGCCAGGCATGCCCGAGAGCCCAGGT
CACCTCACAGGGCGCCGCAAGAATTACCCACTTCGTAAGCGCCCATTGGTTCCTGAGAAGCCCAAGGCC
TGCAAAGTGCTGCTGACTCGCCTGGAGAATGTGGCCGGTCCCCGGAGTGCAGATGAGGCTGATGAGCTA
CCGCCTGACCTGCCCAAGCCCCCCAGCCCGGCCCCATCCAGTGAAGACCCTGGCCTTGCCCAGCCCCGC
AAGCGGCGCCTGGCCTCCCTCAATGCTGAAGCTCTCAATAACCTGCTGCTGGAGCGAGAGGACACCAGC
AGCCTGGCAGGCACCCGCCGCAGTCGAGCAGGGGATCCCCACCGCAGCCGTGACCGTGATCGTGCTACT
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CCAGAGCCAGCACCCGATGAAGGTCCCCGCCGAGATGGAGACCCAGCTCCCAAGAGACTGGCTAGCCTG
AACGCAGCTGCTTTCCTAAAACTGAGCCAGGAGCGGGAGCTACCCCTGCGGCTGCCTCGTGCCCATGCA
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GTTGGGCCTGAGCTCACTGCACTAGGCAGCTTCTACCTGTACTGTGGCCAAGAGGGGCTGCAGTGTGGG
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GTAGCCCGTGCGTGCCCTCAGAGCGCCAAACCTCCCAGCGGTTCTAAGTCAGGTCTGCGCACAGGCTCC
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AAGGCTGTGTATGTCTTGGATGAGCCGGAGCCAGCCATCCGAAAGAGCTACCAGGCGGTAGAGCGGCAT
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GTGGCCAAGATCTCTGCCCTCTGGGAGAACCCCGAGTCAGGAGAGCTGATGATGAGCCTCCTGTGGTAT
TACAGACCTGAGCACTTACAGGGAGGCCGCAGTCCCAGCATGCACGAGCCCTTGCAGAATGAAGTGTTT
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GAGTACTGCAGGTTCTGTGCCATGGCCAAGCGCCGAGGTGAAGGCCTCCCCAGCCGAAAGACAGCACTG
GTTCCCCCCTCTGCAGACTATTCCACCCCACCCCACCGCACAGTGCCAGAGGACACGGACCCTGAGCTG
GTGTTCCTTTGCCGCCATGTCTATGACTTCCGCCACGGGCGCATCCTTAAGAACCCCCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239545
Blue=ORF Red=Cloning site Green=Tag(s)

MTHTRRKSLPMLSSGLTGRREPLQMEDSNMEQGVEGVEPGMPESPGHLTGRRKNYPLRKRPLVPEKPKA
CKVLLTRLENVAGPRSADEADELPPDLPKPPSPAPSSEDPGLAQPRKRRLASLNAEALNNLLLEREDTS
SLAGTRRSRAGDPHRSRDRDRATGGWSSSKKRPRLGDLGGGSRDLSPEPAPDEGPRRDGDPAPKRLASL
NAAAFLKLSQERELPLRLPRAHAEVDGRSTEPPAPKAPRPKWPKVNGKNYPKAWQGASSGEAAGPPGWQ
GCPDEPWPSATPCGPSVQPSHQPLSKALESPLGLRPHLPLLMGGQAALKPEPGRPGEESPAPKQELHQP
SFPTPQLSPLPMPGNPADYNGLCVGPELTALGSFYLYCGQEGLQCGGYSPCPMLPEGKLSPVAAPHEEG
LLLAPSSVPSGTPFQHPPWGSSRYCSSEDTGVNGYSICGVLPLSVTHAGTTCGGCPYKMPFAAGCRSLG
QLEFPLPEAGHPASPAHPLLGCPVPSVPPAAEPVPHLQTPTSEPQTVARACPQSAKPPSGSKSGLRTGS
SCRHTARSKAARRPSHPKQPRVQRPRPRRRRRRRTNGWVPVGAACEKAVYVLDEPEPAIRKSYQAVERH
GETIRVRDTVLLKSGPRKTSTPYVAKISALWENPESGELMMSLLWYYRPEHLQGGRSPSMHEPLQNEVF
ASRHQDQNSVACIEEKCYVLTFAEYCRFCAMAKRRGEGLPSRKTALVPPSADYSTPPHRTVPEDTDPEL
VFLCRHVYDFRHGRILKNPQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
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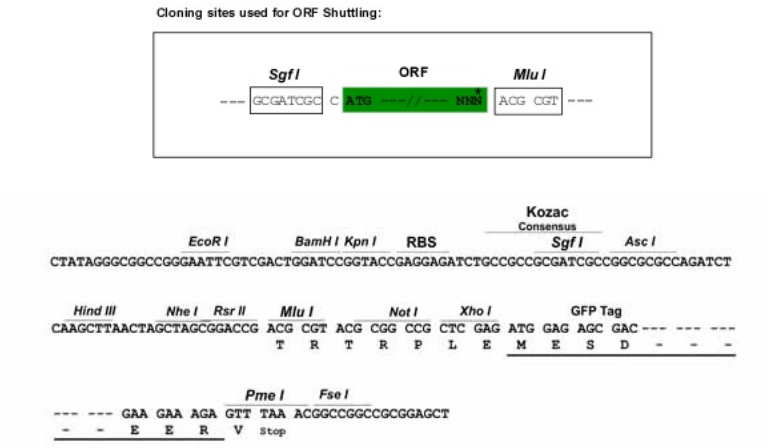
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001301132

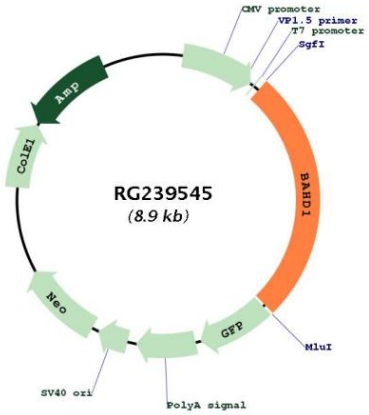
ORF Size: 2337 bp

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).
RefSeq:	NM_001301132.2
RefSeq Size:	4729 bp
RefSeq ORF:	2340 bp
Locus ID:	22893
UniProt ID:	Q8TBE0
Cytogenetics:	15q15.1
MW:	85 kDa
Gene Summary:	Heterochromatin protein that acts as a transcription repressor and has the ability to promote the formation of large heterochromatic domains. May act by recruiting heterochromatin proteins such as CBX5 (HP1 alpha), HDAC5 and MBD1. Represses IGF2 expression by binding to its CpG-rich P3 promoter and recruiting heterochromatin proteins. At specific stages of Listeria infection, in complex with TRIM28, corepresses interferon-stimulated genes, including IFNL1, IFNL2 and IFNL3.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG239545