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Product datasheet for MG207582

Bpifb3 (NM_194357) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bpifb3 (NM_194357) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bpifb3
Synonyms:	Lplunc3; Rya3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG207582 representing NM_194357
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGCTGGGTGTGTATACCCTGCTTCTGCTCTGGGGCCTGGCCACTCCATGCCTGGGGCTGCTTGAGA
CAGTGGGCACGCTTGCTCGGATTGACAAGGATGAACTGGGCAAAGCCATCCAGAACTCCCTAGTTGGGGG
CCCTATTCTGCAAAACGTGCTGGGGACTGTGACATCAGTGAACCAGGGCCTCCTGGGTGCAGGAGGGCTG
CTCGGAGGTGGTGGCCTGCTGAGTTACGGTGGCATCTTTAGTCTTGTGGAAGAACTCTCTGGGCTGAAGA
TAGAGGAACTAACTTTGCCCAAAGTGTCACTCAAGCTGCTGCCGGGGGTCGGGGTGCAGCTGAACCTGCA
CACCAAGGTTAGCCTGCATGGCTCCGGTCCCCTGGTGGGCCTCCTGCAGCTGGCCGCAGAGGTGAACGTG
TCTTCGAAAGTGGCACTGGGCATGAGTCCTCGGGGGACACCCATCCTTGTCCTTAAGCGCTGCAGCACGC
TCCTGGGTCACATCAGTCTGATGTCAGGGCTGCTGCCCACGCCAATCTTTGGGCTCGTAGAACAGACACT
GTGCAAGGTGCTGCCTGGACTGCTGTGCCCTGTGGTAGACAGTGTGCTGAGTGTGGTGAATGAGCTCTTG
GGAGCTACGCTGAGCCTGGTGCCCCTTGGGCCTCTGGGGTCTGTGGAGTTCACTCTGGCTACACTTCCCC
TAATCTCCAACCAGTACATTGAGCTGGATATAAATCCCATCGTGAAGAGCATAGCTGGAGATGTCATTGA
TTTCCCCAAGCCACGCATCCCAGTCAAGGTGCCCCCCAAAGAGGACCACACCTCCCAAGTGACTGTCCCA
CTCTATCTCTTCAGCACCGTGTTTGGGCTCCTGCAAACCAACGGTGCCCTTGACCTGGACATCACCCCTG
AGATGGTTCCCAGGAATGTCCCTCTGACAACTACTGACCTGGCAGCTTTGGCTCCTGAGGCCCTGGGGAA
ACTGCCCCCTGCTCAGCACCTCCTGCTCTCGCTGCGGGTGACAAAATCGCCCATGGTCCTGCTGCAGAAC
AAGAAGGCCACAGTCTCCATCCCAGTCACCATCCATGTGCTGTCTTCTGTCCCTCAAGGAACTCCTGTAG
CCCTTTTCCAGTTGAATGGGGTTATGACTCTAAATGCCCACCTGGCTCCATCCTCTACCAAGCTGCACAT
ATCTCTGTCCCTGGAACGGCTAAGTGTCCAGCTGGCCTCCTCCTTTCCCCAACCTTTTGATGCATCCCGT
CTGGAAGAATGGCTCAGTGATGTGGTCCGGGCTGCCTACATGCAGAGGCTCAACGAGCACCTGGAGGTTG
GAATTCCCCTGCCTAAGATTCTCAATGTCAACTTTGCCAATTCAGTGGTCGATATCATTGAGAATGCAGT
TGTGCTCACAGTGGCTCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

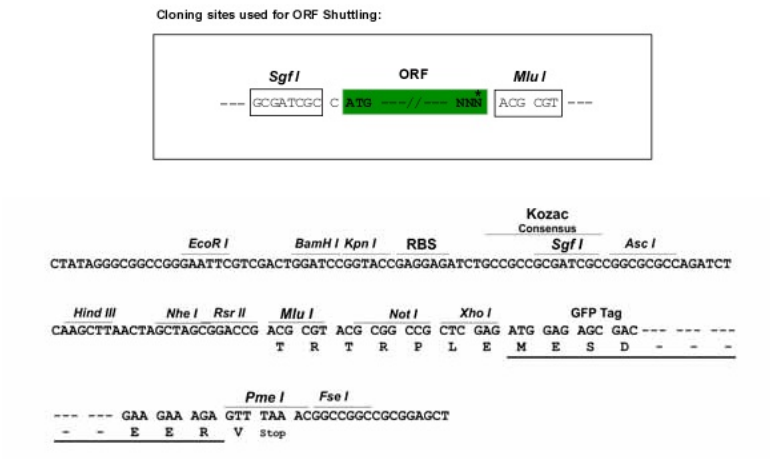
>MG207582 representing NM_194357
Red=Cloning site Green=Tags(s)

MMLGVYTLLLLWGLATPCLGLLETVGTLARIDKDELGKAIQNSLVGGPILQNVLGTVTSVNQGLLGAGGL
LGGGGLLSYGGIFSLVEELSGLKIEELTLPKVSLKLLPGVGVQLNLHTKVSLHGSGPLVGLLQLAAEVNV
SSKVALGMSPRGTPILVLKRCSTLLGHISLMSGLLPTPIFGLVEQTLCKVLPGLLCPVVDSVLSVVNELL
GATLSLVPLGPLGSVEFTLATLPLISNQYIELDINPIVKSIAGDVIDFPKPRIPVKVPPKEDHTSQVTVP
LYLFSTVFGLLQTNGALDLDITPEMVPRNVPLTTTDLAALAPEALGKLPPAQHLLLSLRVTKSPMVLLQN
KKATVSIPVTIHVLSSVPQGTPVALFQLNGVMTLNAHLAPSSTKLHISLSLERLSVQLASSFPQPFDASR
LEEWLSDVVRAAYMQRLNEHLEVGIPLPKILNVNFANSVVDIIENAVVLTVAP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

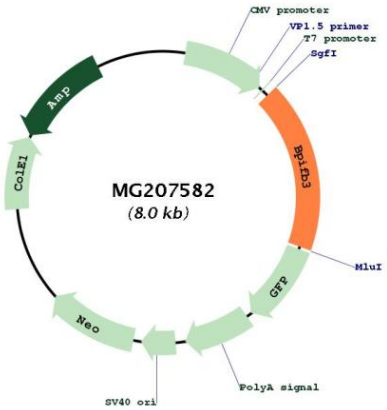


ACCN:	NM_194357
ORF Size:	1419 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_194357.2
RefSeq Size:	1842 bp
RefSeq ORF:	1422 bp
Locus ID:	378700
UniProt ID:	Q80ZU7

Cytogenetics: 2 H1

Gene Summary: May have the capacity to recognize and bind specific classes of odorants. May act as a carrier molecule, transporting odorants across the mucus layer to access receptor sites. May serve as a primary defense mechanism by recognizing and removing potentially harmful odorants or pathogenic microorganisms from the mucosa or clearing excess odorant from mucus to enable new odorant stimuli to be received (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207582