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Product datasheet for RG206811

BNIPL (NM_138278) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: BNIPL

Synonyms: BNIP-S; BNIP-Salpha; BNIP-Sbeta; BNIPL-1; BNIPL-2; BNIPL1; BNIPL2; BNIPS; PP753

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG206811 representing NM_138278
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAACTATACAAGAGGCAGGAAAAAAGACAGATGTTGGGGTCAGGGAGATTGCAGAAGCACCAGAAC
TAGGAGCAGCCCTGAGACATGGGGAGTTGGAGCTGAAGGAGGAATGGCAGGATGAAGAATTCCCTAGATT
GCTTCCTGAGGAGGCTGGCACTTCTGAAGATCCTGAAGACCCTAAAGGAGATTCACAGGCAGCTGCAGGT
ACCCCCAGCACTTTAGCCCTGTGTGGCCAGCGCCCCATGCGCAAGCGTCTTTCTGCCCCAGAGTTGCGGC
TGAGTCTGACTAAGGGGCCTGGAAATGATGGAGCTTCACCCACCCAGTCTGCACCTTCCTCTCCTGATGG
CAGTTCTGACCTGGAGATAGACGAATTGGAGACACCTTCAGACTCGGAGCAGCTGGACAGTGGACATGAA
TTTGAATGGGAAGATGAACTACCCCGGGCAGAGGGTCTGGGCACCAGTGAGACAGCTGAAAGGCTGGGCC
GAGGTTGTATGTGGGATGTGACTGGAGAAGATGGACATCACTGGAGGGTGTTCCGAATGGGACCACGGGA
GCAGCGCGTAGACATGACTGTCATTGAGCCCTATAAGAAAGTCCTGTCTCATGGAGGTTACCACGGTGAT
GGCCTCAATGCTGTCATCCTTTTTGCTTCCTGTTATCTACCCAGAAGCAGCATCCCCAACTACACCTATG
TCATGGAACACTTGTTTAGGTATATGGTGGGAACTCTGGAGCTGCTAGTAGCTGAAAATTACCTGCTTGT
TCATTTGAGTGGAGGCACAAGCAGGGCCCAAGTTCCACCTCTAAGCTGGATACGTCAGTGTTACCGTACC
CTGGATCGGCGGCTACGGAAAAACCTGCGAGCCCTGGTGGTTGTCCATGCTACATGGTATGTGAAAGCAT
TTCTGGCACTGCTTCGGCCCTTCATCAGTTCCAAATTCACACGAAAAATCCGTTTTCTGGACAGCCTGGG
GGAGCTGGCCCAACTCATATCCCTGGATCAAGTCCACATCCCTGAAGCTGTCAGACAGCTGGACCGGGAT
CTCCATGGCTCAGGAGGGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

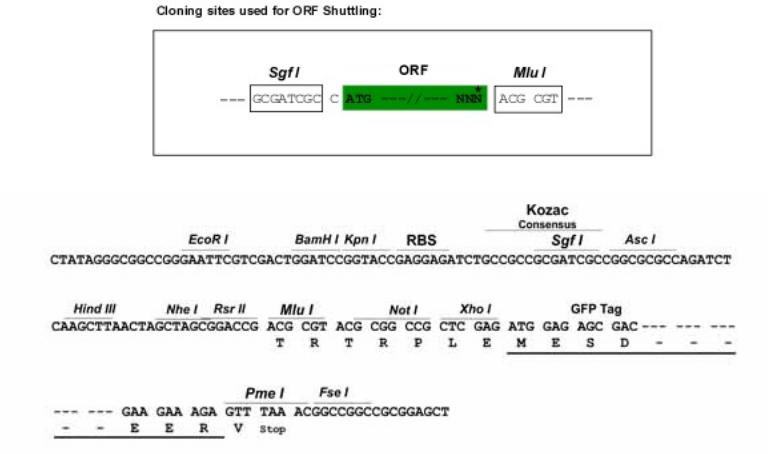
>RG206811 representing NM_138278
Red=Cloning site Green=Tags(s)

MGTIQEAGKKTDVGVREIAEAPELGAALRHGELELKEEWQDEEFPRLLPEEAGTSEDPEDPKGDSQAAAG
TPSTLALCGQRPMRKRLSAPELRLSLTKGPGNDGASPTQSAPSSPDGSSDLEIDELETPSDSEQLDSGHE
FEWEDELPRAEGLGTSETAERLGRGCMWDVTGEDGHHWRVFRMGPREQRVDMTVIEPYKKVLSHGGYHGD
GLNAVILFASCYLPRSSIPNYTYVMEHLFRYMVGTLELLVAENYLLVHLSGGTSRAQVPPLSWIRQCYRT
LDRRLRKNLRALVVVHATWYVKAFLALLRPFISSKFTRKIRFLDSLGELAQLISLDQVHIPEAVRQLDRD
LHGSGGT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138278

ORF Size: 1071 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_138278.4

RefSeq Size: 2154 bp

RefSeq ORF: 1074 bp

Locus ID: 149428

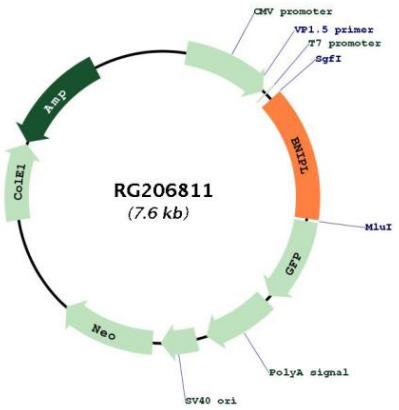
UniProt ID: Q7Z465

Cytogenetics: 1q21.3

Domains: SEC14

Gene Summary: The protein encoded by this gene interacts with several other proteins, such as BCL2, ARHGAP1, MIF and GFER. It may function as a bridge molecule between BCL2 and ARHGAP1/CDC42 in promoting cell death. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RG206811