

Product datasheet for MR222112

Bex2 (NM_009749) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bex2 (NM_009749) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bex2
Synonyms: AL024066; Bex1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222112 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGTCCAAGTGGAACAAGGCGTGAAAAATCTCAACATGGAGAATGACCATCAGGAAAAGGAGGAAA
 AGGAAGAAAAGCCACAGGATGCTAGCAAAGGGATCCGATTGTGGCCCTGCCTTTCGAAGCTGGAGACTA
 CTACGTGCCTAGAGGAGGTTCGAGGCGGTTCCGGGTTCCGCAGCCCATCGTGCCTACAGATGGGACCTG
 ATGCATAGGGTTGGGAGCCCCAGGAAGGATGAGAGAGGAGAACGTACAGAGGTTTGGGGATGATGTGA
 GACAGCTCATGGAGAAGCTGAGGAAAGGCAGCTGAGCCACAGCCTGCGGGCGGTTAGCACTGACCCGCC
 TCATCATGACCACCATGATGAGTTTTGCCTTATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222112 protein sequence
 Red=Cloning site Green=Tags(s)
 MESKVEQGVKNLNMENDHQEKEEKEEKPDASKRDPIVALPFEAGDYVPRGRRRFRVRQPIVHYRWDL
 MHRVGEQGRMREENVQRFGDDVRQLMEKLRERQLSHSLRAVSTDPPHDHHDEFCLMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_009749

ORF Size: 387 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009749.2](#), [NP_033879.1](#)

RefSeq Size: 902 bp

RefSeq ORF: 390 bp

Locus ID: 12069

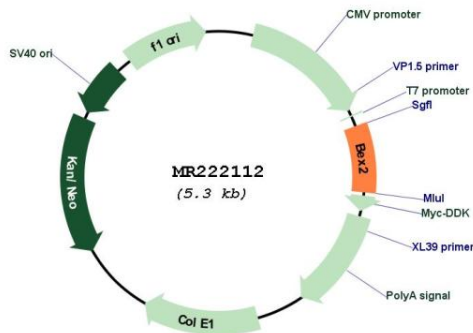
UniProt ID: [Q9WTZ8](#)

Cytogenetics: X 57.37 cM

MW: 15.5 kDa

Gene Summary: Regulator of mitochondrial apoptosis and G1 cell cycle. Regulates the level of PP2A regulatory subunit B and PP2A phosphatase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222112