

Product datasheet for MR202268

Bag2 (NM_145392) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bag2 (NM_145392) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bag2
Synonyms: 2610042A13Rik; BC016230
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202268 representing NM_145392
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGGCGAAGATCAGCGCAAGGCCACGAGGGCCGTTCTGCCGCTCGTCTTCCATGGCCGACC
 GCTCCAGCCGCTGCTGGAGAGTCTGGACCAGCTGGAGCTCAGGGTGAAGCTTTGAGAGACGCAGCTAC
 TGCTGTTGAGCAGGAGAAAGAAATCCTTCTGGAGATGATCCACAGTATCCAAAACAGCCAGGACATGAGG
 CAGATTAGCGATGGAGAAAGAGAGGAATAAACCTGACTGCCAACCGTCTGATGGCCGGACCCTCACGG
 TTGAGGTCTCGGTGGAACGATCCGAAACCCACGAGGAGGAATCCTTGAAGCATGCCACGAGGATTAT
 AGACGAGGTGGTCAGCAAGTTCCTAGATGACCTGGGGAATGCCAAGAGCCACTTAATGTCACCTTTACAGT
 GCCTGCTCATCGGAGGTGCCGCCTGGGCCGGTGGACCAGAAGTTTCAATCGATAGTCATCGTTGCGCTC
 TTGAGGATCAGAAGAAAATCAAGAGGCGATTGGAGACTCTGCTGAGGAACATTGACAACCTCCGACAAGGC
 CATTAACTCCTAGAGCATGCTAAAGGAGCTGGTTCCAAAAGCCTGCAGAACACTGACGGCAAATTAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202268 representing NM_145392
 Red=Cloning site Green=Tags(s)

MAQAKISAKAHEGRFCRSSMADRSSRLLESLDQLELRVEALRDAATAVEQEKEILLEMIHSIQNSQDMR
 QISDGEREELNLTANRLMGRILTVEVSVETIRNPQQEESLKHATRIIDEVVSFKLDDLGNKSHLMSLYS
 ACSSEVPPGPVDQKQFQSIIVIGCALEDQKIKRRLTLLRNIDNSDKAIKLLLEHAKGAGSKSLQNTDQKFN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145392

ORF Size: 630 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_145392.2](#), [NP_663367.1](#)

RefSeq Size: 1815 bp

RefSeq ORF: 633 bp

Locus ID: 213539

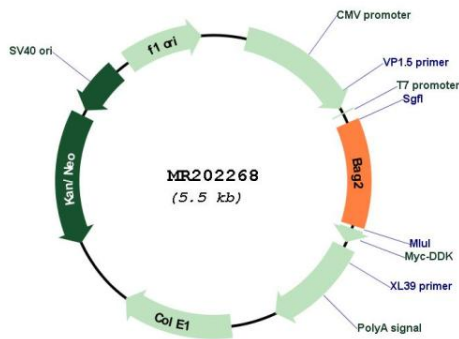
UniProt ID: [Q91YN9](#)

Cytogenetics: 1 B

MW: 23.9 kDa

Gene Summary: Co-chaperone for HSP70 and HSC70 chaperone proteins. Acts as a nucleotide-exchange factor (NEF) promoting the release of ADP from the HSP70 and HSC70 proteins thereby triggering client/substrate protein release.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202268