

Product datasheet for MR202046

Plekhb2 (BC057994) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plekhb2 (BC057994) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Plekhb2
Synonyms: Evt2, evt-2, Phdc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202046 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTTTCGTAAGAGTGGATGGTTACTTCGGCAGAGCACCATTCTGAAACGCTGGAAGAAGAATTGGT
 TCGACCTGTGGTCAGACGGTCACCTGATCTACTACGATGATCAGACTCGGCAGAGCATAGAGGATAAGGT
 CCACATGCCCGTGGACTGCATCAATATCCGCACGGGGCATGAGTGCCGGGACATCCAGCCTCCAGATGGG
 AAGCCCAGAGACTGTCTGCTGCAGATCGTTTGCCGAGACGGGAAGACCATCAGTCTCTGTGCAGAGAGCA
 CAGACGATTGCCGGCATGGAAGTTTACTGTCAGGATCCAGAACAACACAGCTTACGTTGGTTCAGC
 AATCCTGTCTGAAGAGACTGCAGTGGCCGCGTCCCGCCTCCCTACGCAGCCTATGCTACACCAACCCCT
 GAGGTCTACGGCTATGGTCCATACAGCGGCGCATACCCCGCAGGAACCAAGTTGCTATGCCGCCAACG
 GGCAGGCATATGCAGTGCATACCAAGTACCCGATGCAGGAGTTTATGGACAACAGCCTGCCAACCAAGT
 CATCATCCGCGAGCGGTACCAAGACTATGGTGTGAGGACCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202046 protein sequence
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYYDDQTRQSIEDKVHMPVDCINIRTGHECRDIQPPDG
 KPRDCLLQIVCRDGTKISLCAESTDDCLAWKFTLQDSRTNTAYVGSAILSEETAASAASPPPYAAYATPTP
 EYVYGYGPPYSGAYPAGTQVVYAANGQAYAVPYQYPYAGVYQQPANQVIIRERYQDYGVRTL

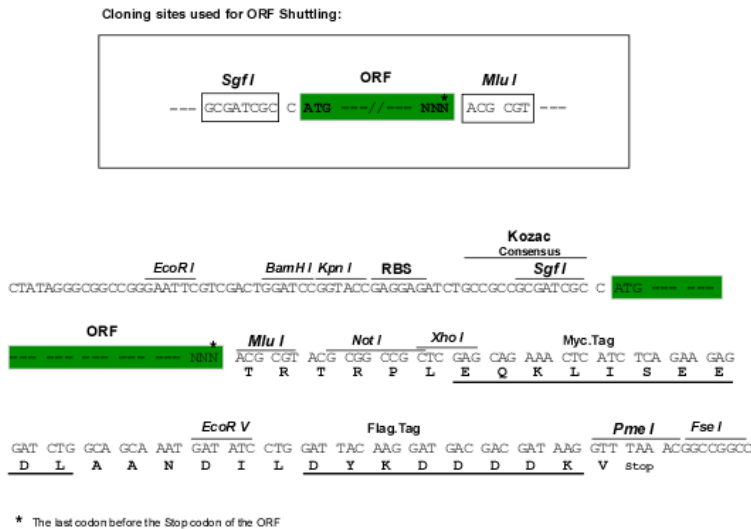
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC057994

ORF Size: 603 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: [BC057994](#), [AAH57994](#)

RefSeq Size: 2685 bp

RefSeq ORF: 605 bp

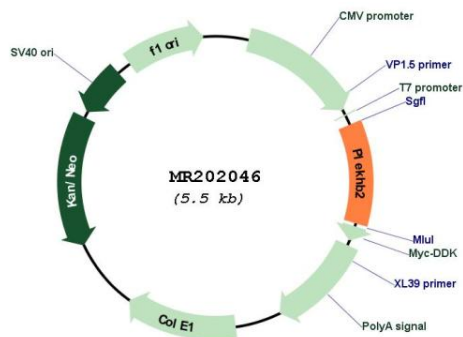
Locus ID: 226971

Cytogenetics: 1 B

MW: 22.6 kDa

Gene Summary: Involved in retrograde transport of recycling endosomes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202046