

Product datasheet for MR224957

Plekhb2 (NM_145516) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhb2 (NM_145516) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plekhb2
Synonyms:	2310009M15Rik; AU018239; evt-2; Evt2; Phdc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224957 representing NM_145516 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTCGTGAAGAGTGGATGGTTACTTCGGCAGAGCACCATTCTGAAACGCTGGAAGAAGAATTGGT
TCGACCTGTGGTCAGACGGTCACCTGATCTACTACGATGATCAGACTCGGCAGAGCATAGAGGATAAGGT
CCACATGCCCGTGGACTGCATCAATATCCGCACGGGGCATGAGTGCCGGGACATCCAGCCTCCAGATGGG
AAGCCCAGAGACTGTCTGCTGCAGATCGTTTGCCGAGACGGGAAGACCATCAGTCTCTGTGCAGAGAGCA
CAGACGATTGCCGTCATGGAAGTTTACTGTCAGGATCCAGAACAACACAGCTTACGTTGGTTCAGC
AATCCTGTCTGAAGAGACTGCAGTGCCCGCTCCCGCCTCCCTACGCAGCCTATGCTACACCAACCCCT
GAGGTCTACGGCTATGGTCCATACAGCGGCGCATACCCCGCAGGAACCAAGTTGTCTATGCCGCCAACG
GGCAGGCATATGCAGTGCCATACCAAGTACCCGATGCAGGAGTTTATGGACAACAGCCTGCCAACCAAGT
CATCATCCGCGAGCGGTACCGAGACAATGACAGTGACCTGGCTCTGGGCATGCTCGCCGGGGCAGCCACC
GGCATGGCCCTGGGCTCTCTGTTCTGGGTCTTC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR224957 representing NM_145516
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYDDQTRQSIEDKVHMPVDCINIRTGHECRDIQPPDG
 KPRDCLLQIVCRDGKTIISLCAESTDDCLAWKFTLQDSRTNTAYVGSAILSEETAASPPPYAAYATPTP
 EVYGYGPGYSGAYPAGTQVVYAANGQAYAVPYQYPYAGVYGOQPANQVIIRERYRDNDSDLALGMLAGAAT
 GMALGSLFWVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145516

ORF Size: 663 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_145516.2](#), [NP_663491.1](#)

RefSeq Size: 3317 bp

RefSeq ORF: 666 bp

Locus ID: 226971

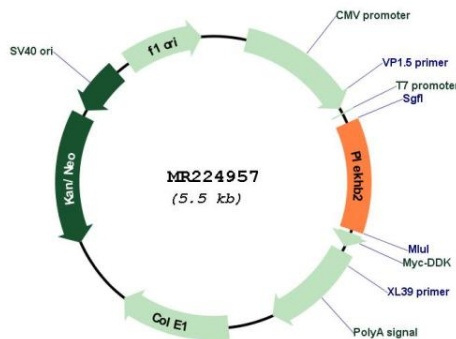
UniProt ID: [Q9QZC7](#)

Cytogenetics: 1 B

MW: 25 kDa

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

Product images:



Circular map for MR224957