

Product datasheet for **RC233508**

PLEKHB2 (NM_001267063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHB2 (NM_001267063) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLEKHB2
Synonyms:	EVT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233508 representing NM_001267063 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTTGTGAAGAGTGGCTGGTTGCTGCGACAGAGTACTATTTTGAAGCGCTGGAAGAAGAACTGGT
TTGATCTGTGGTCGGATGGTCACCTGATCTATTATGATGACCAGACTCGGCAGAATATCGAGGATAAGGT
CCACATGCCAATGGACTGCATCAACATCCGCACGGGGCAGGAATGTCGGGATACTCAGCCCCGGATGGA
AAGTCAAAGACTGCATGCTCCAGATTGTTTGTGCGAGATGGGAAAACAATTAGTCTTTGTGCAGAAAAGCA
CAGATGATTGCTTGGCCTGGAAATTTACTCTCCAAGATTCTAGGACAAACACAGCGTATGTGGGCTCTGC
AGTCATGACCGATGAGACATCCGTGGTTTCCTCACCTCCACCATACACGGCTATGCTGCACCGGCCCT
GAGGCTTATGGCTATGGCCATACGGTGGTGCCTACCCGCCAGGAAGTCAAGTTGTCTACGCTGCGAATG
GGCAGGCGTATGCCGTGCCCTACCAGTACCCATATGCAGAGACCATCCTCATGACACGTCATTGCACTGC
AGTTTCCAGGGGACTTTATGGACAGCAGCCTGCTAACCAAGTCATCATTGAGAGCGCTATCGAGACAAC
GACAGCGACCTGGCACTGGGCATGCTGGCAGGAGCAGCCACGGGCATGGCCTTAGGGTCTCTATTTTGGG
TCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233508 representing NM_001267063
Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYDDQTRQNIEDKVHMPMDCINIRTGQECRDTQPPDG
 KSKDCMLQIVCRDGKTIISLCAESTDDCLAWKFTLQDSRNTAYVGSVMTDETSVVSSPPPYTAYAAPAP
 EAYGYGPYGGAYPPGTQVVYAANGQAYAVPYQYPYAETILMTRHCTAVSRGLYGGQPANQVIIRERYRDN
 DSDLALGMLAGAATGMALGSLFWVF

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_001267063

ORF Size: 705 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_001267063.1](#), [NP_001253992.1](#)

RefSeq Size: 4365 bp

RefSeq ORF: 708 bp

Locus ID: 55041

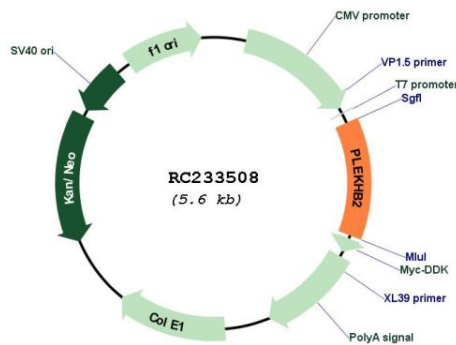
UniProt ID: [Q96CS7](#)

Cytogenetics: 2q21.1

MW: 26.7 kDa

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

Product images:



Circular map for RC233508