

Product datasheet for **MG224957**

Plekhb2 (NM_145516) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhb2 (NM_145516) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plekhb2
Synonyms:	2310009M15Rik; AU018239; evt-2; Evt2; Phdc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224957 representing NM_145516 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTCGTGAAGAGTGGATGGTTACTTCGGCAGAGCACCATTCTGAAACGCTGGAAGAAGAATTGGT
TCGACCTGTGGTCAGACGGTCACCTGATCTACTACGATGATCAGACTCGGCAGAGCATAGAGGATAAGGT
CCACATGCCCGTGGACTGCATCAATATCCGCACGGGGCATGAGTGCCGGGACATCCAGCCTCCAGATGGG
AAGCCCAGAGACTGTCTGCTGCAGATCGTTTGCCGAGACGGGAAGACCATCAGTCTCTGTGCAGAGAGCA
CAGACGATTGCCGTCATGGAAGTTTACTGTCAGGATCCAGAACAACACAGCTTACGTTGGTTCAGC
AATCCTGTCTGAAGAGACTGCAGTGGCCGCTCCCGCCTCCCTACGCAGCCTATGCTACACCAACCCCT
GAGGTCTACGGCTATGGTCCATACAGCGGCGCATACCCCGCAGGAACCAAGTTGTCTATGCCGCCAACG
GGCAGGCATATGCAGTGCATACCAAGTACCCGATGCAGGAGTTTATGGACAACAGCCTGCCAACCAAGT
CATCATCCGCGAGCGGTACCGAGACAATGACAGTGACCTGGCTCTGGGCATGCTCGCCGGGGCAGCCACC
GGCATGGCCCTGGGCTCTCTGTTCTGGGTCTTC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224957 representing NM_145516
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYYDDQTRQSIEDKVHMPVDCINIRTGHECRDIQPPDG
 KPRDCLLQIVCRDGKTIISLCAESTDDCLAWKFTLQDSRTNTAYVGSAILSEETAASPPPYAAYATPTP
 EVYGYGPPSYGAYPAGTQVVYAANGQAYAVPYQYPYAGVYGOQPANQVIRERYRDNDSDLALGMLAGAAT
 GMALGSLFWVF

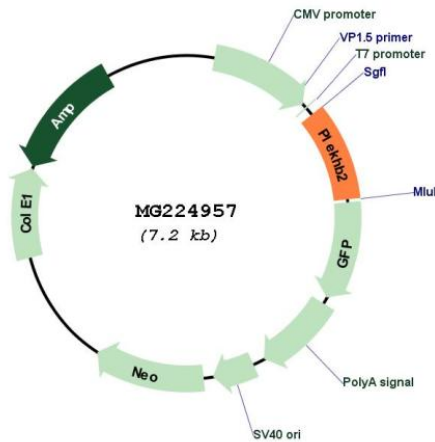
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
Gene Summary:	Involved in retrograde transport of recycling endosomes.[UniProtKB/Swiss-Prot Function]