

## Product datasheet for **RG233508**

### PLEKHB2 (NM\_001267063) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHB2 (NM_001267063) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLEKHB2
Synonyms:	EVT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233508 representing NM_001267063 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTTTGTGAAGAGTGGCTGGTTGCTGCGACAGAGTACTATTTTGAAGCGCTGGAAGAAGAACTGGT  
TTGATCTGTGGTCGGATGGTCACCTGATCTATTATGATGACCAGACTCGGCAGAATATCGAGGATAAGGT  
CCACATGCCAATGGACTGCATCAACATCCGCACGGGGCAGGAATGTCGGGATACTCAGCCCCGGATGGA  
AAGTCAAAGACTGCATGCTCCAGATTGTTGTCGAGATGGGAAAACAATTAGTCTTTGTCAGAAAAGCA  
CAGATGATTGCTTGGCCTGGAAATTTACTCTCCAAGATTCTAGGACAAACACAGCGTATGTGGGCTCTGC  
AGTCATGACCGATGAGACATCCGTGGTTTCCCTCACCTCCACCATACACGGCTATGCTGCACCGGCCCT  
GAGGCTTATGGCTATGGCCATACGGTGGTGCCTACCCGCCAGGAAGTCAAGTTGCTACGCTGCGAATG  
GGCAGGCGTATGCCGTGCCCTACCAGTACCCATATGCAGAGACCATCCTCATGACACGTCATTGCACTGC  
AGTTTCCAGGGGACTTTATGGACAGCAGCCTGCTAACCAAGTCATCATTGAGAGCGCTATCGAGACAAC  
GACAGCGACCTGGCACTGGGCATGCTGGCAGGAGCAGCCACGGGCATGGCCTTAGGGTCTCTATTTGGG  
TCTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233508 representing NM\_001267063  
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYYDDQTRQNIEDKVHMPMDCINIRTGQECRDTQPPDG  
 KSKDCMLQIVCRDGKTIISLCAESTDDCLAWKFTLQDSRTNTAYVGSVMTDETSVVSSPPPYTAYAAPAP  
 EAYGYGPGYGGAYPPGTQVVYAANGQAYAVPYQYPYAETILMTRHCTAVSRGLYGGQPANQVIIRERYRDN  
 DSDLALGMLAGAATGMALGSLFWVF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**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

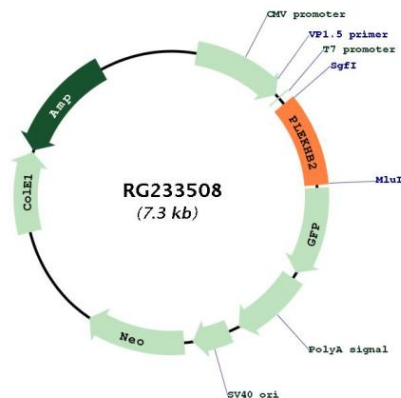
**Locus ID:** 55041

**UniProt ID:** [Q96CS7](#)

**Cytogenetics:** 2q21.1

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

### Product images:



Circular map for RG233508