

## Product datasheet for **RG233353**

### PLEKHB2 (NM\_001267067) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PLEKHB2 (NM\_001267067) 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:** >RG233353 representing NM\_001267067  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGTTTGTGAAGAGTGGCTGGTTGCTGCGACAGAGTACTATTTTGAAGCGCTGGAAGAAGAACTGGT  
 TTGATCTGTGGTCGGATGGTCACCTGATCTATTATGATGACCAGACTCGGCAGAATATCGAGGATAAGGT  
 CCACATGCCAATGGACTGCATCAACATCCGCACGGGGCAGGAATGTCGGGATACTCAGCCCCGGATGGA  
 AAGTCAAAGACTGCATGCTCCAGATTGTTTGTGCGAGATGGGAAAACAATTAGTCTTTGTGCAGAAAAGCA  
 CAGATGATTGCTTCAGGCTTATGGCTATGGCCATACGGTGGTGGTACCCGCCAGGAAGTCAAGTTGTC  
 TACGCTGCGAATGGGCAGGCGTATGCCGTGCCCTACCAGTACCCATATGCAGGACTTTATGGACAGCAGC  
 CTGCTAACCAAGTCATCATTGAGAGCGCTATCGAGACAACGACAGCGACCTGGCACTGGGCATGCTGGC  
 AGGAGCAGCCACGGGCATGGCCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG233353 representing NM\_001267067  
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYYDDQTRQNIEDKVHMPMDCINIRTGQECRDTQPPDG  
 KSKDCMLQIVCRDGTKISLCAESTDDCFRLMAMGHTVVRTRQELKLSLRLMGRMPCTSTHMQDFMDSS  
 LLTKSSFESAIETTTATWHWACWQEQPRAWP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001267067

**ORF Size:** 513 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\\_001267067.1](#), [NP\\_001253996.1](#)

**RefSeq Size:** 4196 bp

**RefSeq ORF:** 516 bp

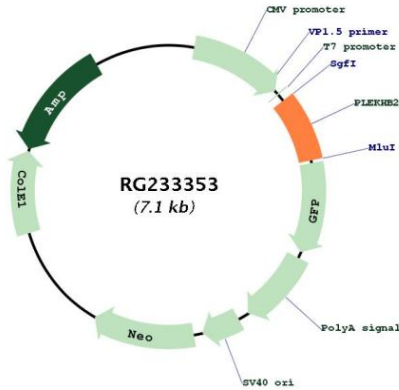
**Locus ID:** 55041

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

Cytogenetics: 2q21.1

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

**Product images:**



Circular map for RG233353