

## Product datasheet for **RG200155**

### PLEKHB2 (NM\_001031706) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHB2 (NM_001031706) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLEKHB2
Synonyms:	EVT2; EVT2, FLJ20783; FLJ20783; FLJ23679; FLJ30436; pleckstrin homology domain containing, family B (evectins) member 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200155 representing NM_001031706 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGTTTGTGAAGAGTGGCTGGTTGCTGCGACAGAGTACTATTTTGAAGCGCTGGAAGAAGAACTGGT  
TTGATCTGTGGTCGGATGGTCACCTGATCTATTATGATGACCAGACTCGGCAGAATATCGAGGATAAGGT  
CCACATGCCAATGGACTGCATCAACATCCGCACGGGGCAGGAATGTCGGGATACTCAGCCCCGGATGGA  
AAGTCAAAGACTGCATGCTCCAGATTGTTTGTGAGATGGGAAAACAATTAGTCTTTGTGCAGAAAAGCA  
CAGATGATTGCTTGGCCTGGAAATTTACACTCCAAGATTCTAGGACAAACACAGCGTATGTGGGCTCTGC  
AGTCATGACCGATGAGACATCCGTGGTTTCTCTCACCTCCACCATACACGGCCTATGCTGCACCGGCCCT  
GAGGAGCTGCACAGTAAAGTCCCAAAATACACACCACCAGAGTGCAAAAACCCAGGCGGTTCTCCCAA  
CGCGATGTTTTTTCCAGCGAATCTCCGATAAGAAGGTCTGTGAGATTCTGTGCTCCTACCTGCAGT  
AAATATTCGTAGACGTATAAAGTAACTTTTCCCGAGCCTGCCCGTCCGAGGGCACCAAGGAGCCTTTGC  
CTTTGGCAAACATGGTTTGCAGGGAAGAGGGCGCCAGCCTCCCCACAGCCGCCACCGCTCCGGCTCTCC  
CGAGCTGCCCTCGCCCCGGCCCCCTCCAAGGCGCTCCCTCCCTCTCTCGCTGGCTGGCGCTCTCCTAG  
CAGCGCTCCCCTCCCTCCCGAGCAGGCGCTGGCTCCGCGCTTTTCCAGCTGTCAAAGCATCAGGCCCGG  
CCGCGGCCCATCGCCCTGGAACCTCCCGTGGCGGCTTGGCTGGGGTGCCGCCGCCGCTCCCGCAA  
GGCCGCCCGCTCTCCGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200155 representing NM\_001031706  
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYYDDQTRQNIEDKVHMPMDCINIRTGQECRDTQPPDG  
 KSKDCMLQIVCRDGTKISLCAESTDDCLAWKFTLQDSRTNTAYVGSVMTDETSVSSPPPYTAYAAPAP  
 EELHSGKPKIHTTTSAKTQAVLPTRCFPSESPIRRVSQISVLLPAVNIRRIKLTFFQPAPRPRAPRSLC  
 LWQTFWAGKRAPSLPTAATAPALPSCPSPAPSKALPPSLAGWRSPPSSAPLPPEQALAPRSFQLSKHQAR  
 PRPHRPGTPPVPAWPGVPPPPPARPPALR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001031706

**ORF Size:** 927 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\\_001031706.1](#), [NP\\_001026876.1](#)

**RefSeq Size:** 1197 bp

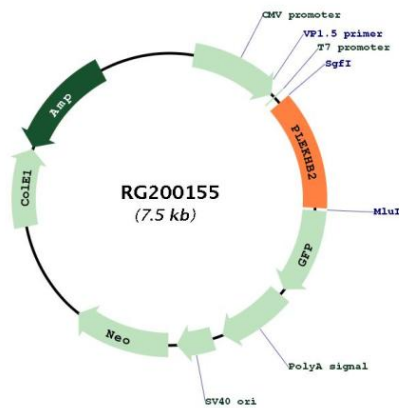
**RefSeq ORF:** 929 bp

**Locus ID:** 55041

**Cytogenetics:** 2q21.1

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

**Product images:**



Circular map for RG200155