

Product datasheet for **RG233490**

PLEKHB2 (NM_001267064) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHB2 (NM_001267064) 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:	>RG233490 representing NM_001267064 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTTGTGAAGAGTGGCTGGTTGCTGCGACAGAGTACTATTTTGAAGCGCTGGAAGAAGAACTGGT
TTGATCTGTGGTCGGATGGTCACCTGATCTATTATGATGACCAGACTCGGCAGAATATCGAGGATAAGGT
CCACATGCCAATGGACTGCATCAACATCCGCACGGGGCAGGAATGTCGGGATACTCAGCCCCGGATGGA
AAGTCAAAGACTGCATGCTCCAGATTGTTGTCGAGATGGGAAAACAATTAGTCTTTGTCAGAAAAGCA
CAGATGATTGCTTGGCCTGGAAATTTACTCTCAAGATTCTAGGACAAACACAGCGTATGTGGGCTCTGC
AGTCATGACCGATGAGACATCCGTGGTTTCCTCACCTCCACCATACACGGCCTATGCTGCACCGGCCCT
GAGGTAGGGAGAACCCTGAGCCTCCAGGCTTATGGCTATGGGCCATACGGTGGTGCATACCGCCAGGAA
CTCAAGTTGTCTACGCTGCGAATGGGCAGGCGTATGCCGTGCCCTACCAGTACCCATATGCAGGACTTTA
TGGACAGCAGCCTGCTAACCAAGTCATCATTGAGAGCGCTATCGAGACAACGACAGCGACTGGCACTG
GGCATGCTGGCAGGAGCAGCCACGGGCATGGCCTTAGGGTCTCTATTTGGGTCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233490 representing NM_001267064
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYYDDQTRQNIEDKVHMPMDCINIRTGQECRDTQPPDG
 KSKDCMLQIVCRDGTKISLCAESTDDCLAWKFTLQDSRTNTAYVGSVMTDETSVVSSPPPYTAYAAPAP
 EVGRTLSQLQAYGYGPGYGGAYPPGTQVVYAANGQAYAVPYQYPYAGLYGQQPANQVIIRERYRDNDSDLAL
 GMLAGAATGMALGSLFWVF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001267064

ORF Size: 687 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_001267064.1](#), [NP_001253993.1](#)

RefSeq Size: 4347 bp

RefSeq ORF: 690 bp

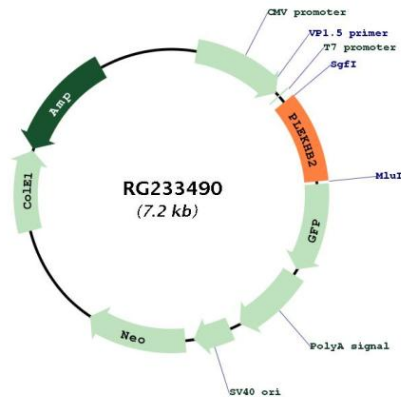
Locus ID: 55041

UniProt ID: [Q96CS7](#)

Cytogenetics: 2q21.1

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

Product images:



Circular map for RG233490