

Product datasheet for **RG219196**

PLEKHB2 (NM_001100623) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHB2 (NM_001100623) 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:	>RG219196 representing NM_001100623 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTTTGTGAAGAGTGGCTGGTTGCTGCGACAGAGTACTATTTTGAAGCGCTGGAAGAAGAACTGGT
TTGATCTGTGGTCGGATGGTCACCTGATCTATTATGATGACCAGACTCGGCAGAATATCGAGGATAAGGT
CCACATGCCAATGGACTGCATCAACATCCGCACGGGGCAGGAATGTCGGGATACTAGCCCCGGATGGA
AAGTCAAAGACTGCATGCTCCAGATTGTTTGTGCGAGATGGGAAAACAATTAGTCTTTGTCAGAAAAGCA
CAGATGATTGCTTGGCCTGGAAATTTACTCTCCAAGATTCTAGGACAAACACAGCGTATGTGGGCTCTGC
AGTCATGACCGATGAGACATCCGTGGTTTCCCTCACCTCCACCATACACGGCCTATGCTGCACCGGCCCT
GAGCAGGCTTATGGCTATGGGCCATACGGTGGTGCGTACCCGCCAGGAACTCAAGTTGTCTACGCTGCGA
ATGGGCAGGCGTATGCCGTGCCCTACCAAGTACCATATGCAGGACTTTATGGACAGCAGCCTGCTAACCA
AGTCATCATTCGAGAGCGCTATCGAGACAACGACAGCGACCTGGCACTGGGCATGCTGGCAGGAGCAGCC
ACGGGCATGGCCTTAGGGTCTCTATTTTGGGTCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219196 representing NM_001100623
 Red=Cloning site Green=Tags(s)

MAFVKSGWLLRQSTILKRWKNWFDLWSDGHLIYYDDQTRQNIEDKVHMPMDCINIRTGQECRDTQPPDG
 KSKDCMLQIVCRDGKTIISLCAESTDDCLAWKFTLQDSRNTAYVGSVMTDETSSVSSPPPYTAYAAPAP
 EQAYGYGYPYGGAYPPGTQVYYAANGQAYAVPYQYPYAGLYGQQPANQVIIRERYRDNDSDLALGMLAGAA
 TGMALGSLFWVF

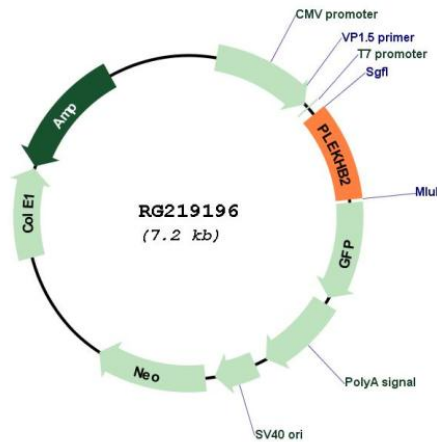
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100623

ORF Size: 666 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_001100623.1 , NP_001094093.1
RefSeq Size:	4326 bp
RefSeq ORF:	669 bp
Locus ID:	55041
UniProt ID:	Q96CS7
Cytogenetics:	2q21.1
Gene Summary:	Involved in retrograde transport of recycling endosomes.[UniProtKB/Swiss-Prot Function]