

Product datasheet for **MG203156**

Plekhf2 (NM_175175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhf2 (NM_175175) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plekhf2
Synonyms:	1110070J07Rik; AA673237; ZFYVE18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203156 representing NM_175175 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTGGATCGCCTGGCAAACAGTGAGGCGAATACTAGACGCATAAGTATTGTGGAGAGCTGTTTTGGAG
CCGCTGGTCAGCCCTTGACCATCCCTGGGCGAGTGCTTATTGGAGAAGGAGTGTTGACTAAGTTGTGCAG
AAAGAAGCCTAAAGCAAGGCAGTTTTTCTTATTTAATGATATTCTAGTATACGGCAATATTGTTATCCAG
AAGAAAAATACAACAAACAGCATATTATCCCTTGAAAATGTCACCATTGATTCCATCAAAGATGAAG
GGGAATTACGGAATGGATGGCTTATTAAGACACCGACTAAGTCGTTGCAGTTTATGCTGCCACTGCCAC
GGAGAAGTCAGAGTGGATGAATCACATAAATAAGTGTGTCAGTTTACTCTCCAAAAGTGGGAAGACG
CCCAGCAACGAGCATGCTGCTGTCTGGGTTCTGACTCTGAGGCCACCGTGTGTATGCGCTGTCAGAAAG
CAAAATTCACACCAAGTCAATCGGCGGCACCATGCGCAAATGTGGCTTTGTTGTTTGTGGTCCCTGCTC
TGAAAAGCGATTTCTTCTTCCAGCCAGTCTTCTAAGCCTGTGCGGATTGTGACTTCTGCTATGACCTG
CTTTCACGGGGACATGGCCGCGTGTGAGCCGACTAGATCAGACTCTTATAGTCAGTCGTTGAAGTCCTC
CTTTAAATGATGCATCTGATGACGACGACGATGATGATAGCAGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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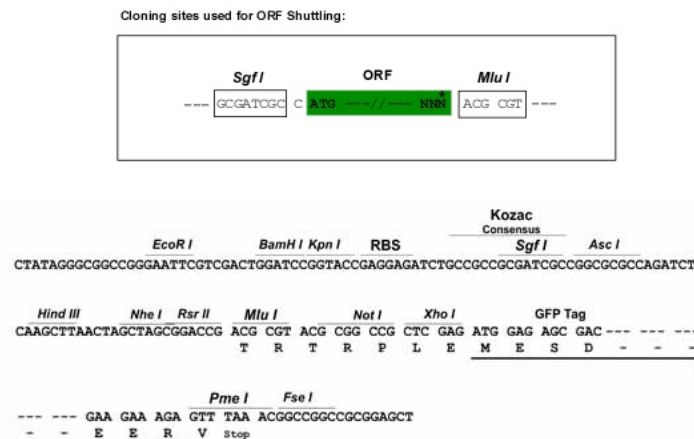
Protein Sequence: >MG203156 representing NM_175175
 Red=Cloning site Green=Tags(s)

MVDRLANSEANTRRISIVESCFGAAGQPLTIPGRVLIGEGVLTKLCRKKPKARQFFLFNDILVYGNIVIQ
 KKKYNKQHIIPLENTIDSIDKDEGLRNGWLKPTKTSFAVYAATATEKSEWMNHINKCVTDLLSKSGKT
 PSNEHAAVWVPDSEATVCMRCQKAKFTPVNRRHHCRKCGFVVCGPCSEKRFLLPSSSKPVRICDFCYDL
 LSTGDMAACQPTRSDSYSQSLKSPLNDASDDDDDDSSD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175175

ORF Size: 747 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175175.4](#)

RefSeq Size: 2897 bp

RefSeq ORF: 750 bp

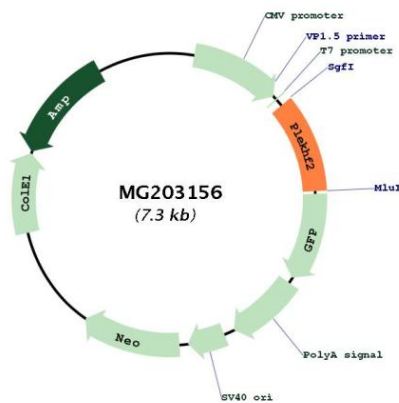
Locus ID: 71801

UniProt ID: [Q91WB4](#)

Cytogenetics: 4 A1

Gene Summary: May play a role in early endosome fusion upstream of RAB5, hence regulating receptor trafficking and fluid-phase transport (By similarity). Enhances cellular sensitivity to TNF-induced apoptosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203156