

Product datasheet for **MG211793**

Ap3d1 (NM_007460) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ap3d1 (NM_007460) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ap3d1
Synonyms: AA407035; Ap3d; Bolvr; mBLVR1; mh; mocha
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG211793 representing NM_007460
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MG211793 representing NM_007460
 Red=Cloning site Green=Tags(s)

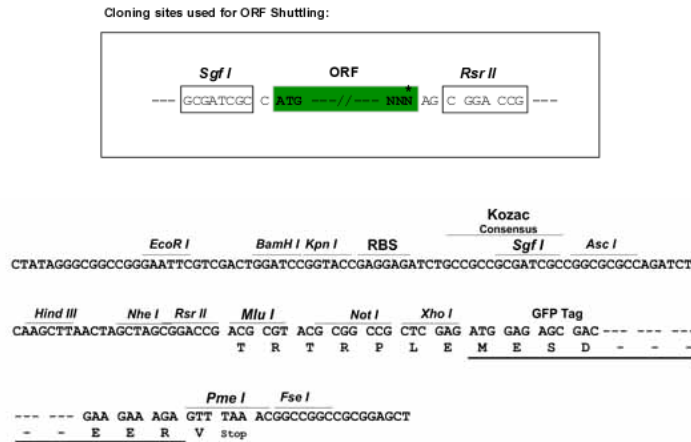
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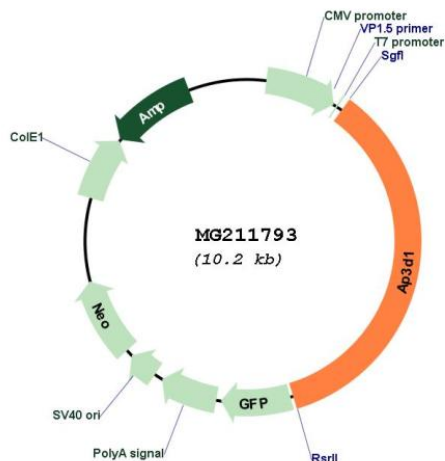
SGPTRRRLE - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



Plasmid Map:


ACCN: NM_007460

ORF Size: 3597 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_007460.2](#)

RefSeq Size: 4730 bp

RefSeq ORF: 3600 bp

Locus ID: 11776

UniProt ID: [O54774](#)

Cytogenetics: 10 39.72 cM

Gene Summary:

Part of the AP-3 complex, an adaptor-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes (By similarity). Involved in process of CD8+ T-cell and NK cell degranulation (By similarity). In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals (PubMed:21998198). [UniProtKB/Swiss-Prot Function]