

Product datasheet for **RG219366**

AP3D1 (NM_003938) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP3D1 (NM_003938) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AP3D1
Synonyms:	ADTD; hBLVR; HPS10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219366 representing NM_003938 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGCCCTCAAGATGGTGAAGGGCAGCATCGACCCGATGTTTCGACAAGAATCTGCAGGACTTGGTCCGG
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GAGTTCTCAGAGCATCTGCAGGAACACACCACACTTTGGAGGCCATGCTGCGGCCAGAGTCACCACGC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

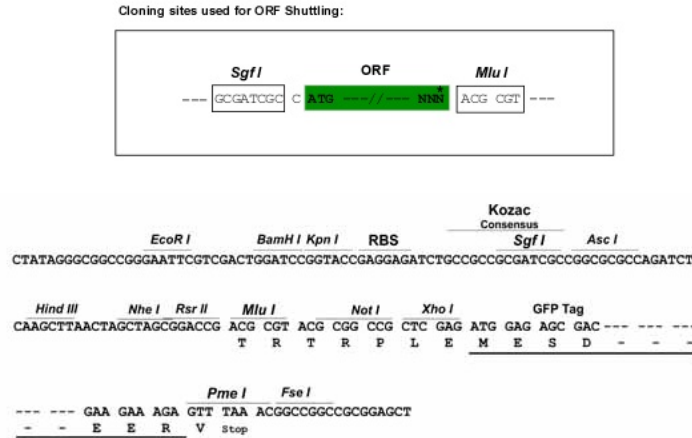
Protein Sequence: >RG219366 representing NM_003938
 Red=Cloning site Green=Tags(s)

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 EFSEHLQEPHHTLEAMLPRVTTLPGHIQAVYVQNVVKLYASILQQKEQAGEAEGAQAVTQLMVDRLPQF
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

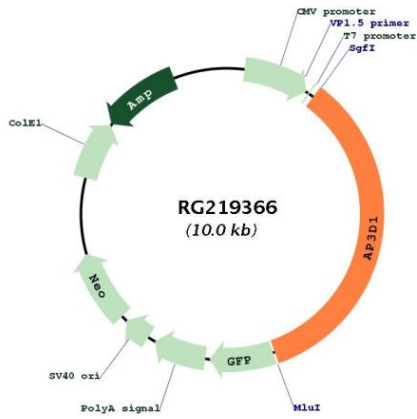


ACCN: NM_003938

ORF Size: 3459 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_003938.8
RefSeq Size:	4863 bp
RefSeq ORF:	3462 bp
Locus ID:	8943
UniProt ID:	O14617
Cytogenetics:	19p13.3
Domains:	Adaptin_N
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome
Gene Summary:	The protein encoded by this gene is a subunit of the AP3 adaptor-like complex, which is not clathrin-associated, but is associated with the golgi region, as well as more peripheral structures. The AP-3 complex facilitates the budding of vesicles from the golgi membrane, and may be directly involved in trafficking to lysosomes. This subunit is implicated in intracellular biogenesis and trafficking of pigment granules, and possibly platelet dense granules and neurotransmitter vesicles. Defects in this gene are a cause of a new type of Hermansky-Pudlak syndrome. [provided by RefSeq, Feb 2017]

Product images:



Circular map for RG219366