OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC332796

AP3D1 (NM_001261826) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: AP3D1 (NM_001261826) Human Untagged Clone

Tag: Tag Free

Symbol: AP3D1

Synonyms: ADTD; hBLVR; HPS10

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332796 representing NM_001261826.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

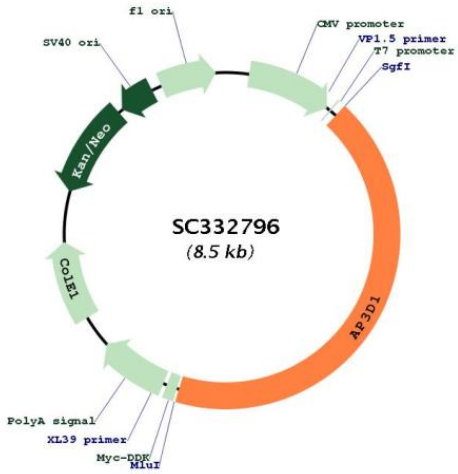
ATGGCCCTCAAGATGGTGAAGGGCAGCATCGACCGCATGTTCGACAAGAATCTGCAGGACTTGGTCCGC
GGCATCCGTAACCACAAGGAGGACGAGGCAAAATACATATCTCAGTGCATTGATGAGATCAAGCAGGAG
CTGAAGCAGGACAACATAGCGGTGAAGGCGAACGCGGTCTGCAAGCTGACGTATTTACAGATGTTGGGA
TACGACATCAGCTGGGCCGCCTTCAACATCATAGAAGTGATGAGTGCCTCCAAGTTCACCTTCAAGCGA
ATTGGCTACCTCGCTGCTTCCCAGAGCTTTCACGAAGGCACCGACGTCATCATGCTGACCACCAATCAG
ATCCGTAAGGACTTGAGCAGCCCCAGCCAGTACGACACAGGTGTTGCACTGACGGGTCTGTCCTGCTTC
GTCACCCCAGACCTTGCCAGAGACCTGGCAAATGACATCATGACACTGATGTCACACACCAAGCCCTAC
ATCAGGAAGAAGGCTGTGCTGATCATGTACAAGGTGTTCCTGAAGTACCCCGAGTCGCTGCGCCCTGCC
TTTCCCCGGCTGAAGGAGAAGCTGGAGGACCCCGACCCCGGGGTTCAGTCGGCTGCCGTCAATGTCATC
TGCGAGCTGGCCAGACGCAACCCTAAGAACTACCTGTCCCTGGCCCCGCTCTTTTTCAAGCTGATGACG
TCCTCCACCAACAACTGGGTCCTCATCAAGATCATCAAGCTGTTCGGTGCTCTTACTCCTTTGGAACCG
CGGCTGGGCAAGAAGCTGATCGAGCCCCTCACCAATCTCATCCACAGCACGTCTGCCATGTCTCTCCTC
TATGAATGTGTGAACACCGTGATTGCAGTGCTCATCTCGCTGTCCTCCGGCATGCCCAACCACAGCGCC
AGCATCCAGCTTTGTGTTCAGAAATTAAGGATATTGATCGAGGACTCCGATCAGAACTTGAAGTACCTG
GGGCTGCTGGCAATGTCCAAGATCCTGAAGACCCACCCCAAGTCCGTGCAGTCCCACAAGGACCTCATC
CTGCAGTGCCTGGACGACAAGGACGAGTCCATCCGGCTGCGGGCCCTGGACCTGCTCTATGGGATGGTG
TCCAAGAAGAACCTGATGGAGATCGTGAAGAAGCTGATGACCCACGTAGACAAGGCAGAGGGTACCACC
TACCGTGACGAGCTGCTCACCAAGATCATTGACATCTGCAGCCAGTCCAACTACCAGTACATCACCAAC
TTCGAGTGGTACATCAGCATCCTGGTGGAGCTGACCCGGCTGGAGGGCACACGGCACGGCCACCTCATC
GCCGCCCAAATGCTGGACGTGGCCATCCGCGTGAAGGCCATCCGCAAGTTCGCCGTGTCCCAGATGTCT
GCGCTGCTTGACAGTGCACACCTGCTGGCCAGCAGCACCCAGCGGAACGGGATCTGTGAGGTGCTGTAC
GCTGCCGCCTGGATCTGCGGGGAGTTCTCAGAGCATCTGCAGGAACCACACCACACTTTGGAGGCCATG
CTGCGGCCCAGAGTCACCACGCTGCCAGGCCACATCCAGGCCGTGTATGTGCAGAACGTGGTCAAGCTC
TACGCCTCCATCCTGCAGCAGAAGGAGCAGGCCGGGGAGGCAGAGGGCGCTCAGGCCGTCACCCAGCTC
ATGGTGGACCGGCTGCCCCAGTTTGTGCAGAGCGCAGACCTGGAGGTGCAGGAGCGGGCGTCCTGCATC
CTGCAGCTGGTCAAGCACATCCAGAAGCTTCAGGCCAAGGACGTGCCTGTGGCAGAGGAGGTCAGCGCT
CTCTTTGCTGGGGAGCTGAACCCAGTGGCCCCCAAGGCCCAGAAGAAGGTTCCAGTCCCCGAAGGCCTG
GACCTGGACGCCTGGATCAATGAGCCACTCTCGGACAGCGAGTCAGAGGACGAGAGGCCCAGGGCCGTC

View online »

TTCCACGAGGAGGAGCAGCGGCGTCCCAAGCACCGGCCGTCGGAGGCGGACGAGGAAGAGCTGGCTCGG
CGCCGAGAGGCCCGGAAGCAGGAGCAGGCCAACAACCCCTTCTACATCAAGAGCTCGCCATCGCCACAG
AAGCGGTACCAGGACACCCCGGGCGTGGAGCACATTCCCGTGGTGCAGATTGACCTCTCCGTCCCCTTG
AAGGTTCCAGGGCTGCCTATGTCAGATCAGTATGTGAAGCTGGAGGAGGAGCGGCGGCACCGGCAGAAG
CTGGAGAAGGACAAGAGGAGGAAAAAGAGGAAGGAGAAGGAGAAGAAGGGCAAGCGCCGCCACAGCTCG
CTGCCCACGGAGAGCGACGAGGACATCGCCCCTGCCCAGCAGGTGGACATCGTCACAGAGGAGATGCCT
GAGAATGCTCTGCCCAGCGACGAGGATGACAAAGACCCCAACGACCCCTACAGGGCTCTGGATATTGAC
CTGGATAAGCCCTTAGCCGACAGCGAGAAACTGCCTATTCAGAAACACAGAAACACCGAGACCTCAAAA
TCCCCTGAGAAGGACGTTCCCATGGTAGAAAAGAAGAGCAAGAAACCCAAGAAGAAAGAGAAAAAACAC
AAAGAGAAAGAGAGAGACAAGGAGAAGAAGAAGGAGAAGGAGAAGAAGGCTGAGGACCTGGACTTCTGG
CTGTCTACCACCCCACCGCCTGCCCCCGCCCCCGCCCCCGCCCCCGTTCCATCCACGGGGGAGCTCAGT
GTGAACACTGTCACTACCCCGAAGGACGAGTGTGAGGACGCCAAGACGGAGGCGCAGGGCGAGGAGGAC
GATGCCGAGGGGCAAGACCAGGACAAGAAATCTCCCAAGCCTAAGAAGAAGAAGCACAGGAAGGAGAAG
GAGGAGCGGACCAAAGGCAAGAAGAAGTCCAAGAAGCAGCCTCCAGGCAGCGAGGAGGCAGCGGGGGAG
CCGGTGCAGAATGGCGCGCCAGAGGAGGAGCAGCTCCCGCCTGAGTCCAGCTACTCCCTCCTCGCTGAA
AATTCCTATGTTAAAATGACCTGTGACATCCGGGGCAGTCTGCAGGAGGACAGCCAGGTCACTGTGGCC
ATCGTGCTGGAGAACAGGAGCAGCAGCATCCTCAAGGGCATGGAGCTCAGCGTGCTGGACTCACTCAAT
GCCAGGATGGCCCGGCCGCAGGGCTCCTCCGTCCACGATGGCGTCCCCGTGCCTTTCCAGCTGCCCCCA
GGCGTCTCCAACGAAGCCCAGTATGTGTTCACCATCCAGAGCATCGTCATGGCGCAGAAGCTCAAGGGG
ACCCTGTCCTTCATTGCCAAGAATGACGAGGGTGCGACCCACGAGAAGCTGGACTTCAGGCTGCACTTC
AGCTGCAGCTCCTACTTGATCACCACTCCCTGCTACAGTGACGCCTTTGCTAAGTTGCTGGAGTCTGGG
GACTTGAGCATGAGCTCAATCAAAGTCGATGGCATTCGGATGTCCTTCCAGAATCTTCTGGCGAAGATC
TGTTTTCACCACCATTTTTCCGTTGTGGAGCGAGTGGACTCCTGCGCCTCCATGTACAGCCGCTCCATC
CAGGGCCACCATGTCTGCCTCCTGGTGAAAAAGGGTGAGAACTCTGTCTCAGTCGACGGGAAGTGCAGT
GACTCCACGCTACTGAGCAACTTGTTAGAAGAGATGAAGGCGACGCTGGCCAAGTGTTGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001261826

Insert Size: 3648 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001261826.1
RefSeq Size:	5073 bp
RefSeq ORF:	3648 bp
Locus ID:	8943
UniProt ID:	O14617
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome
MW:	136.7 kDa
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] Transcript Variant: This variant (3) encodes the longer isoform (3).