

## Product datasheet for SC318527

### AP3D1 (NM\_003938) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AP3D1 (NM_003938) Human Untagged Clone
Tag:	Tag Free
Symbol:	AP3D1
Synonyms:	ADTD; hBLVR; HPS10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318527 representing NM_003938. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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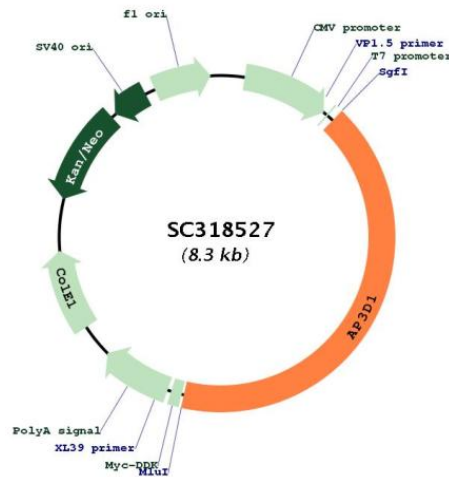
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Restriction Sites:

SgfI-MluI

Plasmid Map:



<b>ACCN:</b>	NM_003938
<b>Insert Size:</b>	3462 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003938.6</a>
<b>RefSeq Size:</b>	4887 bp
<b>RefSeq ORF:</b>	3462 bp
<b>Locus ID:</b>	8943
<b>UniProt ID:</b>	<a href="#">O14617</a>
<b>Cytogenetics:</b>	19p13.3
<b>Domains:</b>	Adaptin_N
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysosome
<b>MW:</b>	130.2 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks two alternate in-frame exons in the 3' coding region compared to variant 3. The encoded isoform (2) is shorter than isoform 3.</p>