

Product datasheet for **RC219366L4V**

AP3D1 (NM_003938) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | AP3D1 (NM_003938) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | AP3D1 |
| Synonyms: | ADTD; hBLVR; HPS10 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_003938 |
| ORF Size: | 3459 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC219366). |
| 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. |
| RefSeq: | NM_003938.5 |
| RefSeq Size: | 4863 bp |
| RefSeq ORF: | 3462 bp |
| Locus ID: | 8943 |
| UniProt ID: | O14617 |
| Cytogenetics: | 19p13.3 |
| Domains: | Adaptin_N |
| Protein Families: | Druggable Genome |



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Protein Pathways: Lysosome

MW: 130 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]