

## Recombinant Human AP3D1 Protein, His-tagged

**Cat. No.** AP3D1-189H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AP3D1 Protein (Ala2-Leu251) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Ala2-Leu251                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 32 kDa<br>Accurate Molecular Mass: 32 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.   |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                       |
| <b>Reconstitution</b>   | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>        | AP3D1 adaptor-related protein complex 3, delta 1 subunit [ Homo sapiens (human) ]                                                                                                                                                                                                                                                              |
| <b>Official Symbol</b>  | AP3D1                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>         | AP3D1; adaptor-related protein complex 3, delta 1 subunit; AP-3 complex subunit delta-1; ADTD; delta adaptin; adaptin, delta; AP-3 complex subunit delta; delta-adaptin, partial CDS; AP-3 complex delta subunit, partial CDS; adapter-related protein complex 3 subunit delta-1; subunit of putative vesicle coat adaptor complex AP-3; hBLVR |
| <b>Gene ID</b>          | 8943                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_001077523                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_001070991                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>              | 607246                                                                                                                                                                                                                                                                                                                                         |

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UniProt ID

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