Recombinant Human AP2A1 Protein, His-tagged

Cat. No. AP2A1-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AP2A1 Protein (Pro2-Pro253) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro2-Pro253
Description	This gene encodes the alpha 1 adaptin subunit of the adaptor protein 2 (AP-2) complex found in clathrin coated vesicles. The AP-2 complex is a heterotetramer consisting of two large adaptins (alpha or beta), a medium adaptin (mu), and a small adaptin (sigma). The complex is part of the protein coat on the cytoplasmic face of coated vesicles which links clathrin to receptors in vesicles. Alternative splicing of this gene results in two transcript variants encoding two different isoforms. A third transcript variant has been described, but its full length nature has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.5 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	AP2A1 adaptor-related protein complex 2, alpha 1 subunit [Homo sapiens (human)]
Official Symbol	AP2A1
Synonyms	AP2A1; adaptor-related protein complex 2, alpha 1 subunit; ADTAA, CLAPA1; AP-2 complex subunit alpha-1; alpha1-adaptin; alpha-adaptin A; adaptin, alpha A; 100 kDa coated vesicle protein A; adaptor protein complex AP-2 subunit alpha-1; adapter-related protein complex 2 alpha-1 subunit; clathrin assembly protein complex 2 alpha-A large chain; plasma membrane adaptor HA2/AP2 adaptin alpha A subunit; clathrin-associated/assembly/adaptor protein, large, alpha 1; ADTAA; CLAPA1; AP2-ALPHA
Gene ID	160
mRNA Refseq	NM_014203

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Protein Refseq	NP_055018
MIM	601026
UniProt ID	O95782

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