

Recombinant Human AP1S1 293 Cell Lysate

Cat. No. AP1S1-8817HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for adaptor-related protein complex 1, sigma 1 subunit (AP1S1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

[AP1S1 adaptor-related protein complex 1, sigma 1 subunit \[Homo sapiens \]](#)

Official Symbol

AP1S1

Synonyms

AP1S1; adaptor-related protein complex 1, sigma 1 subunit; CLAPS1; AP-1 complex subunit sigma-1A; AP 1 complex subunit sigma 1A; AP19; clathrin assembly protein complex 1 sigma 1A small chain; clathrin coat assembly protein AP19; clathrin associated/assembly/adaptor protein; small 1 (19kD); golgi adaptor HA1/AP1 adaptin sigma 1A subunit; HA1 19 kDa subunit; SIGMA1A; sigma1A subunit of AP 1 clathrin adaptor complex; sigma1A adaptin; WUGSC:H_DJ0747G18.2; sigma1A-adaptin; sigma-adaptin 1A; sigma 1a subunit of AP-1 clathrin; adaptor protein complex AP-1 sigma-1A subunit; golgi adaptor HA1/AP1 adaptin sigma-1A subunit; sigma1A subunit of AP-1 clathrin adaptor complex; adapter-related protein complex 1 sigma-1A subunit; clathrin assembly protein complex 1 sigma-1A small chain; clathrin-associated/assembly/adaptor protein, small 1 (19kD); FLJ92436;

Gene ID

[1174](#)

mRNA Refseq

[NM_001283](#)

Protein Refseq

[NP_001274](#)

MIM

[603531](#)

UniProt ID

[P61966](#)

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Chromosome Location	7
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Disease, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; HIV Infection, organism-specific biosystem; Host Interactions of HIV factors, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	protein transporter activity;

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