

Recombinant Human AP1S1

Cat. No. AP1S1-27354TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human AP1S1 isoform 2 with a N terminal proprietary tag; Predicted MWt 40.74 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	133 amino acids
Description	The protein encoded by this gene is part of the clathrin coat assembly complex which links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. This protein, as well as beta-prime-adaptin, gamma-adaptin, and the medium (mu) chain AP47, form the AP-1 assembly protein complex located at the Golgi vesicle.
Molecular Weight	40.740kDa inclusive of tags
Tissue specificity	Widely expressed.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MMRFMLLFSRQGKLRRLRKWYLATSDKERKKMVRELMQVVL ARKPKMCSFLEWRD LKVVYKRYASLYFCCAIEGQDNELIT LELIHRYVELLDKYFGSVCELDIIFNFEKAYFIL DEFLMG GDVQDTSTFPFSH
Sequence Similarities	Belongs to the adaptor complexes small subunit family.
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/assem
Gene ID	1174
mRNA Refseq	NM_001283
Protein Refseq	NP_001274
MIM	603531
Uniprot ID	P61966

Chromosome Location	7
Pathway	Clathrin derived vesicle budding, 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;
Function	protein transporter activity;

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