

## Recombinant Human AP1S2, His-tagged

**Cat. No.** AP1S2-3546H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human AP1S2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	AP1S2, also known as AP-1 complex subunit sigma-2, serves as the small subunit of AP-1 complex 1 and is a member of the adaptin protein family. Adaptor protein complex 1 is found at the cytoplasmic face of coated vesicles located at the Golgi complex, where it mediates both the recruitment of clathrin to the membrane and the recognition of sorting signals within the cytosolic tails of transmembrane receptors.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.1M NaCl, 2mM DTT
<b>Molecular weight</b>	20.7 kDa (177aa), confirmed by MALDI-TOF
<b>Purity</b>	> 85% by SDS - PAGE
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MQFMLLFSRQ GKLRLQKWYV PLSDKEKKKI TRELVTQVLA RPKMCSFLE WRDLKIVYKR YASLYFCCAI EDQDNELITL EIIHRYVELL DKYFGSVCEL DIIFNFEKAY FILDEFLLGG EVQETSCKNV LKAIEQADLL QEEAETPRSV LEEIGLT

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** [AP1S2 adaptor-related protein complex 1, sigma 2 subunit \[ Homo sapiens \]](#)

**Synonyms** adaptor-related protein complex 1; sigma2 subunit; mental retardation, X-linked 59; SIGMA1B; MGC:1902; Adapter-related protein complex 1 sigma-1B subunit; Adaptor protein complex AP-1 sigma-1B subunit; AP-1 complex subunit sigma-2; Clathrin assembly protein complex 1 sigma-1B small chain; Golgi adaptor HA1/AP1 adaptin sigma-1B subunit; Sigma 1B subunit of AP-1 clathrin; MRX59; Sigma-adaptin1B; Sigma1B-adaptin; OTTHUMP00000022980; AP1S2; OTTHUMP00000022981; DC22; OTTHUMP00000022982; adaptor protein complex AP-1 sigma-1B subunit ; clathrin adaptor complex AP1 sigma 1B subunit; golgi adaptor HA1/AP1 adaptin sigma 1B subunit; golgi adaptor HA1/AP1 adaptin sigma-1B subunit; adapter-related protein complex 1 sigma-1B subunit; clathrin assembly protein complex 1 sigma-1B small chain

**Gene ID** [8905](#)

**mRNA Refseq** [NM\\_003916](#)

**Protein Refseq** [NP\\_003907](#)

**MIM** [300629](#)

**UniProt ID** [P56377](#)

**Chromosome Location** Xp22.2

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**Function**

Protein transporter activity

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