

Recombinant Human AP1S2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human AP1S2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.1M NaCl, 2mM DTT
Molecular weight	20.7 kDa (177aa), confirmed by MALDI-TOF
Purity	> 85% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MQFMLLFSRQ GKLRLQKWYV PLSDKEKKKI TRELVQTVLA RPKMKCSFLE WRDLKIVYKR YASLYFCCAI EDQDNELITL EIIHRYVELL DKYFGSVCEL DIIFNFEKAY FILDEFLLGG EVQETSCKNV LKAIEQADLL QEEAETPRSV LEEIGLT

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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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