

## AP1S2 Human

**Description:** AP1S2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 177 amino acids (1-157a.a) and having a molecular mass of 20.7kDa. AP1S2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-241

For research use only.

**Synonyms:** Adaptor-related protein complex 1 sigma 2 subunit, SIGMA1B, Adaptor protein complex AP-1 sigma-1B subunit, 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,

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MQFMLLFSRQ GKRLQKWYV  
PLSDKEKKKI TRELVQTVLA RPKMKCSFLE WRDLKIVYKR YASLYFCCAI EDQDNELITL  
EIIHRYVELL DKYFGSVCEL DIIFNFEKAY FILDEFLLGG EVQETSKKNV LKAIEQADLL  
QEEAETPRSV LEEIGLT

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

AP1S2 protein solution (0.5mg/1ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.1M NaCl and 2mM DTT.

**Stability:**

AP1S2 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

AP1S2 belongs to the adaptin protein family and functions as the small subunit of AP-1 complex 1 which is found in the cytoplasmic face of coated vesicles placed at the Golgi complex. AP-1 complex 1 facilitates both the necessity of clathrin to the membrane and the identification of organizing signals within the cytosolic tails of transmembrane receptors.

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