

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 RPKMCSFLE WRDLKIVYKR YASLYFCCAI EDQDNELITL
EIIHRYVELL DKYFGSVCEL DIFNFEKAY 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:

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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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