

Recombinant human AP3S1 protein

Catalog Number: ATGP1803

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-193aa

UniProt No.

Q92572

NCBI Accession No.

NP_001275

Alternative Names

AP-3 complex subunit sigma-1, CLAPS3, Sigma3A

PRODUCT SPECIFICATION

Molecular Weight

23.8 kDa (213aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

AP-3 complex subunit sigma-1, also known as AP3S1, is a Part of the AP-3 complex, an adapter-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. Recombinant human AP3S1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

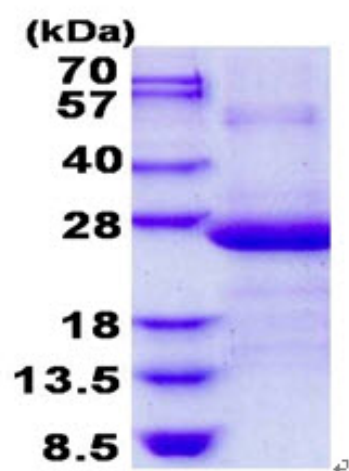
MGSSHHHHHH SSGLVPRGSH MIKAILIFNN HGKPRLSKFY QPYSED TQQ IIRETFHLVS KRDENVCNFL EGGLLIGGSD
NKLIYRHYAT LYFVFCVDSS ESELGILDLI QVFVETLDKC FENVCELDLI FHVDKVHNIL AEMVMGGMVL ETNMNEIVTQ
IDAQNKLEKS EAGLAGAPAR AVSAVKNMNL PEIPRNINIG DISIKVPNLP SFK

General References

Burkard T.R., et al. (2011) BMC Syst. Biol. 5:17-17
Dell'Angelica E.C., et al. (1997) EMBO J. 16:917-928

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)