

Recombinant human AP1S2 protein

Catalog Number: ATGP1086

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-157aa

UniProt No.

P56377

NCBI Accession No.

NP_003907

Alternative Names

AP-1 complex subunit sigma-2, DC22, MGC:1902, MRX59, SIGMA1B

PRODUCT SPECIFICATION

Molecular Weight

20.7 kDa (177aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl, 2mM DTT

Purity

> 85% 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

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. Recombinant human AP1S2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MQFMLLFSRQ GKLRLQKWYV PLSDKKKEKKI TRELVQTVLA RPKMCSFLE WRDLKIVYKR
YASLYFCCAI EDQDNELITL EIIHRYVELL DKYFGSVCEL DIIFNFEKAY FILDEFLLGG EVQETSCKNV LKAIEQADLL
QEEAETPRSV LEEIGLT

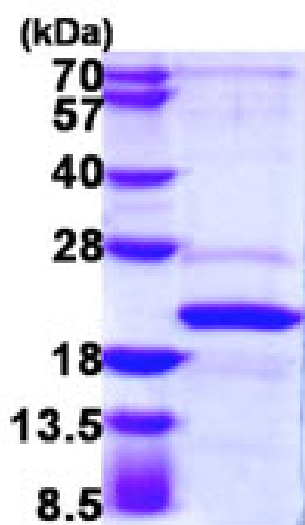
General References

Tarpey PS. et al. (2006) Am J Hum Genet. 79:1119-24.

Takatsu H. et al. (1998) J Biol Chem. 273 :24693-700

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)