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.

Recombinant human AP1S2 protein

Catalog Number: ATGP1086

Amino acid Sequence

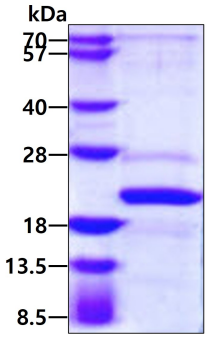
<MGSSHHHHHH SSGLVPRGSH> MQFMLLFSRQ GKLRLQKWYV PLSDKEKKKI TRELVQTVLA RKPKMCSFLE WRDLKIVYKR YASLYFCCAI EDQDNELITL EIIHRYVELL DKYFGSVCEL DIIFNFEKAY FILDEFLLGG EVQETSKKNV LKAIEQADLL QEEAETPRSV LEEIGLT

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.