

Recombinant human AP1AR protein

Catalog Number: ATGP2321

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-302aa

UniProt No.

Q63HQ0

NCBI Accession No.

NP_061039

Alternative Names

Adaptor-related protein complex 1 associated regulatory protein, Adaptor-related protein complex 1 associated regulatory protein, 2C18, C4orf16, gamma-BAR, GBAR, PRO0971

PRODUCT SPECIFICATION

Molecular Weight

36.4 kDa (322aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/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

Adaptor-related protein complex 1 associated regulatory protein, also known as AP1AR, is necessary for AP-1 dependent transport between the trans-Golgi network and endosomes. This protein regulates the membrane association of AP1G1/Gamma1-adaptin, one of the subunits of the AP-1 adapter complex. The direct interaction with AP1G1/Gamma1-adaptin attenuates the release of the AP-1 complex from membranes. Recombinant human AP1AR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGNCCWTQCF GLLRKEAGRL QRVGGGGGSK YFRTCSRGEH LTIEFENLVE
SDEGESPGSS HRPLTEEEIV DLRERHYDSI AEKQKDLDDK IQKELALQEE KLRLEEEALY AAQREAARAA KQRKLEQER
QRIVQYHPS NNGEYQSSGP EDDFESCLRN MKSQYEVFRS SRLSSDATVL TPNTESSCDL MTKTKSTSGN DDSTSLDLEW
EDEEGMNRML PMRERSKTEE DILRAALKYS NKKTGSNPTS ASDDSNLEW ENDFVSAEMD DNGNSEYSGF VNPVLELSDS
GIRHSDDTDQQ TR

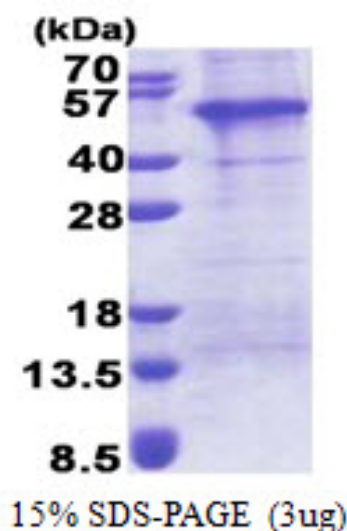
General References

Neubrand V.E., et al. (2005) EMBO J. 24:1122-1133

Wollscheid B., et al. (2009) Nat. Biotechnol. 27:378-386

DATA

SDS-PAGE



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