

AR51145PU-S**Human AP1AR (1-302, His-tag) - Purified****Alternate names:**

2c18, AP-1 complex-associated regulatory protein, Adaptor-related protein complex 1-associated regulatory protein, C4orf16, GBAR, Gadkin, Gamma-1-adaptin brefeldin A resistance protein, Gamma-A1-adaptin and kinesin interactor, Gamma-BAR

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q63HQ0](#)

NCBI:

[NP_061039](#)

GeneID:

[55435](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human AP1AR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGNCCWTQCF GLLRKEAGRL QRVGGGGGSK YFRTCSRGEH
LTIEFENLVE SDEGESPGSS HRPLTEEEIV DLRERHYDSI AEKQKDLDDK IQKELALQEE
KLRLEEEALY AAQREAARA KQRKLEQER QRIVQYHPS NNGEYQSSGP EDDFESCLR
MKSQYEVFRS SRLSSDATVL TPNTSSCDL MTKTKSTSGN DDSTSLDLEW EDEEGMNRML
PMRERSKTEE DILRAALKYS NKKTGSNPTS ASDDSNGLW ENDFVSAEMD DNGNSEYSGF
VNPVLELSDS GIRHSDTDQQ TR

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

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Neubrand V.E., et al. (2005) EMBO J. 24:1122-1133 Wollscheid B., et al. (2009) Nat. Biotechnol. 27:378-386

Pictures:

