

Recombinant Human AP1AR, His-tagged

Cat. No. AP1AR-2321H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AP1AR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	322aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	36.4 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGNCCWTQCF GLLRKEAGRL QRVGGGGGSK YFRTCSRGEH LTIEFENLVE SDEGESPGSS HRPLTEEEIV DLRERHYDSI AEKQKDLDDK IQKELALQEE KLRLEEEALY AAQREAARAA KQRKLLEQER QRIVQQYHPS NNGEYQSSGP EDDFESCLRN MKSQYEVFRS SRLSSDATVL

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TPNTESSCDL MTKTKSTSGN DDSTSLDLEW EDEEGMNRML PMRERSKTEE
DILRAALKYS NKKTGSNPTS ASDDSNGLEW ENDFVSAEMD DNGNSEYSGF
VNPVLELSDS GIRHSDTDQQ TR

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml

GENE INFORMATION

Gene Name [AP1AR adaptor-related protein complex 1 associated regulatory protein \[Homo sapiens \]](#)

Official Symbol AP1AR

Synonyms 2C18; GBAR; C4orf16; PRO0971; gamma-BAR; adaptor-related protein complex 1 associated regulatory protein; 28808; Ensembl:ENSG00000138660; AP-1 complex-associated regulatory protein; gamma-1-adaptin brefeldin A resistance protein; gamma1-adaptin brefeldin A resistance protein, gamma-BAR; adapter-related protein complex 1-associated regulatory protein;

Gene ID [55435](#)

mRNA Refseq [NM_001128426.1](#)

Protein Refseq [NP_001121898.1](#)

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MIM	610851
UniProt ID	Q63HQ0
Chromosome Location	4q25

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