

Recombinant Human AP1G2 Protein, His-tagged

Cat. No. AP1G2-179H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AP1G2 Protein (Met1-Leu272) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu272
Description	Adaptins are important components of clathrin-coated vesicles transporting ligand-receptor complexes from the plasma membrane or from the trans-Golgi network to lysosomes. The adaptin family of proteins is composed of four classes of molecules named alpha, beta-, beta prime- and gamma- adaptins. Adaptins, together with medium and small subunits, form a heterotetrameric complex called an adaptor, whose role is to promote the formation of clathrin-coated pits and vesicles. The protein encoded by this gene is a gamma-adaptin protein and it belongs to the adaptor complexes large subunits family. This protein along with the complex is thought to function at some trafficking step in the complex pathways between the trans-Golgi network and the cell surface.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.4 kDa Accurate Molecular Mass: 34 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	AP1G2 adaptor related protein complex 1 subunit gamma 2 [Homo sapiens (human)]
Official Symbol	AP1G2
Synonyms	Ap1g2; adaptor related protein complex 1 subunit gamma 2; AP-1 complex subunit gamma-like 2; adaptor protein complex AP-1, gamma 2 subunit; adaptor-related protein complex 1, gamma 2 subunit
Gene ID	8906
mRNA Refseq	NM_003917

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Protein Refseq	NP_003908
MIM	603534
UniProt ID	O75843

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