Recombinant Human AP1G1, His-tagged

Cat. No. AP1G1-3525H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AP-1 complex subunit gamma-1 (AP1G1)
Species	Human
Source	E.Coli/Yeast
ProteinLength	825
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. Two transcript variants encoding different isoforms have been found for this gene.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of AP1G1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly

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

	centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	AP1G1 adaptor-related protein complex 1, gamma 1 subunit [Homo sapiens]
Official Symbol	AP1G1
Synonyms	AP1G1; adaptor-related protein complex 1, gamma 1 subunit; ADTG, CLAPG1; AP-1 complex subunit gamma-1; gamma1 adaptin; gamma adaptin; gamma1-adaptin; golgi adaptor HA1/AP1 adaptin gamma subunit; adaptor protein complex AP-1 subunit gamma-1; golgi adaptor HA1/AP1 adaptin subunit gamma-1; adapter-related protein complex 1 subunit gamma-1; clathrin assembly protein complex 1 gamma large chain; clathrin assembly protein complex 1 gamma-1 large chain; clathrin-associated/assembly/adaptor protein, large, gamma 1; ADTG; CLAPG1; MGC18255;
Gene ID	164
mRNA Refseq	NM_001030007
Protein Refseq	NP_001025178
MIM	603533

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

UniProt ID	O43747
Chromosome Location	16q23
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Disease, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; HIV Infection, organism-specific biosystem; Host Interactions of HIV factors, organism-s
Function	kinesin binding; protein binding; protein transporter activity; transporter activity;

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