

Recombinant Human AP1G2 protein, GST-tagged

Cat. No. AP1G2-645H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AP1G2 partial ORF (NP_003908, 686 a.a. - 785 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. Several alternatively spliced transcript variants of this gene exist, but their full-length nature is not known. [provided by RefSeq, Aug 2]
Molecular Mass	36.74 kDa
AA Sequence	RPPENPALLLITITATNFSEGDVTHFICQAAVPKSLQLQLQAPSGNTVPARGGLPITQL FRILNPNKAPLRLKLRLTYDHFHQSVQEIFEVNNLPVESWQ

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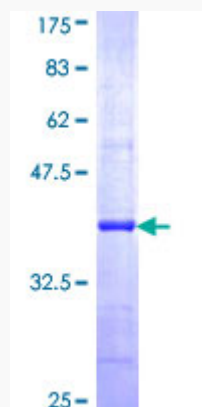
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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	AP1G2 adaptor related protein complex 1 gamma 2 subunit [Homo sapiens (human)]
Official Symbol	AP1G2
Synonyms	AP1G2 adaptor related protein complex 1 gamma 2 subunit; G2AD; AP-1 complex subunit gamma-like 2; clathrin-associated/assembly/adaptor protein, large, gamma-2; gamma2-adaptin
Gene ID	8906
mRNA Refseq	NM_001282474
Protein Refseq	NP_001269403
MIM	603534
UniProt ID	O75843

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12.5% SDS-PAGE Stained with Coomassie Blue.

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