Recombinant Human AP1G1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AP1G1-1148H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AP1G1 MS Standard C13 and N15-labeled recombinant protein (NP_001025178) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	91.5 kDa
AA Sequence	MPAPIRLRELIRTIRTARTQAEEREMIQKECAAIRSSFREEDNTYRCRNVAKLLYMHM LGYPAHFGQLECFKLIASQKFTDKRIGYLGAMLLLDERQDVHLLMTNCIKNDLNHST QFVQGLALCTLGCMGSSEMCRDLAGEVEKLLKTSNSYLRKKAALCAVHVIRKVPEL MEMFLPATKNLLNEKNHGVLHTSVVLLTEMCERSPDMLAHFRKNEKLVPQLVRILKN

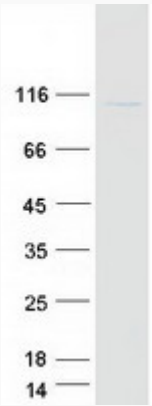
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	LIMSGYSPEHDVSGISDPFLQVRILRLLRILGRNDDDSSEAMNDILAQVATNTETSKN VGNAILYETVLTIMDIKSESGLRVLAINILGRFLLNNDKNIRYVALTSLLKTVQTDHNAV QRHRSTIVDCLKDLDVSIKRRAMELSFALVNGNNIRGMMKELLYFLDSCEPEFKADC ASGIFLAAEKYAPSKRWHIDTIMRVLTTAGSYVRDDAVPNLIQLITNSVEMHAYTVQR LYKAILGDYSQQPLVQVAAWCIGEYGDLLVSGQCEEEEPIQVTEDEVLDILESVLISN MSTSVTRGYALTAIMKLSTRFTCTVNRIKKVVSIYGSSIDVELQQRAVEYNALFKKYD HMRSALLERMPVMEKVTTNGPTEIVQTNGETEPAPLETKPPPSGPQPTSQANDLLD LLGGNDITPVIPTAPTSKPSSAGGELLDLLGDINLTGAPAAAPAPASVPQISQPPFLLD GLSSQPLFNDIAAGIPSITAYSKNGLKIEFTFERSNTNPSVTVITIQASNSTELDMTDFV FQAAVPKTFQLQLLSPSSSIVPAFNTGTITQVIKVLNPQKQQLRMRIKLTYNHKGSAM QDLAEVNNFPPQSWQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	AP1G1 adaptor related protein complex 1 subunit gamma 1 [Homo sapiens (human)]
Official Symbol	AP1G1
Synonyms	AP1G1; adaptor-related protein complex 1, gamma 1 subunit; ADTG, CLAPG1; AP-1

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	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
UniProt ID	O43747
SDS-PAGE	

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