



# Recombinant Human AP-1 complex subunit gamma-like 2 (AP1G2)

<b>Product Code</b>	CSB-YP001862HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75843
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MVVP SLKLQD LIEEIRGAKT QAQEREVIQK ECAHIRASFR DGDPVHRHRQ LAKLLYVHML GYPAHFGQME CLKLIASSRF TDKRVGYLGA MLLLDERHDA HLLITNSIKN DLSQGIQPVQ GLALCTLSTM GSAEMCRDLA PEVEKLLLQP SPYVRKKAIL TAVHMIRKVP ELSSVFLPPC AQLLHERHHG ILLGTITLIT ELCERSPAAL RHFRKVV PQL VHILRTLVTM GYSTEHSISG VSDPFLQVQI LRLLRILGRN HEESSETMND LLAQVATNTD TSRNAGNAVL FETVLTIMDI RSAAGLRVLA VNILGRFLLN SDRNIRYVAL TSLRLVQSD HSAVQRHRPT VVECLRETDA SLSRRALELS LALVNSSNVR AMMQELQAFLESCPPDLRAD CASGILLAAE RFAPTKRWHI DTILHVLTTA GTHVRDDAVA NLTQLIGGAQ ELHAYSVRRL YNALAEDISQ QPLVQVAWC IGEYGDLLA GNCEEIEPLQ VDEEEVLALL EKVLQSHMSL PATRGYALTA LMKLSTRLCG DNNRIRQVVS YGSCLDVEL QQRAVEYDTL FRKYDHMRAA ILEKMPLVER DGPQADEEAK ESKEAAQLSE AAPVPTPEQA SQLLDLLDLL DGASGDVQHP PHLDPSGGGA LVHLLDLPCV PPPAPIPDL KVFEREGVQL NLSFIRPPEN PALLITITA TNFSEGDVTH FICQAAVPKS LQLQLQAPSG NTPVARGGLP ITQLFRILNP NKAPLRLKLR LTYDHFHQSV QEIFEVNNLP VESWQ
<b>Source</b>	Yeast
<b>Target Names</b>	AP1G2
<b>Protein Names</b>	Recommended name: AP-1 complex subunit gamma-like 2 Alternative name(s): Gamma2-adaptin Short name= G2ad
<b>Expression Region</b>	1-785
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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. This protein 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. There are two alternatively spliced transcript variants of this gene encoding the same protein.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.