

## Product datasheet for **TP303954**

### gamma Adaptin (AP1G1) (NM\_001030007) Human Recombinant Protein

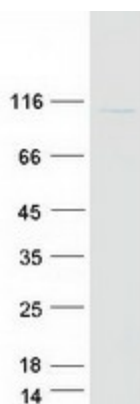
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adaptor-related protein complex 1, gamma 1 subunit (AP1G1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>&gt;RC203954 representing NM_001030007</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MPAPIRLRELIRTIRTARTQAEEREMIQKECAAIRSSFREEDNTYRCRNVAKLLYMHMLGYPAHFGQLEC            FKLIASQKFTDKRIGYLGAMLLLDERQDVHLLMTNCIKNDLNHSTQFVQGLALCTLGCMGSSEMCRDLA            G            EVEKLLKTSNSYLRKKAALCAVHVIRKVPPELMMFLPATKNLLNEKNHGVLTSHVLLTEMCEPDMMLA            HFRKNEKLVPQLVRILKNLIMSGYSPEHDVSGISDPFLQVRILRLILGRNDDDSSEAMNDILAQVATN            TETSKNVGNAILYETVLTIMDIKSEGLRVLAAILGRFLLNNDKNIRYVALTSLLKTVQTDHNAVQRHR            STIVDCLKDLVDVSIKRRAMELSFALVNGNNIRGMMKELLYFLDSCPEFKADCASGIFLAAEKYAPSKRW            HIDTIMRVLTAGSYVRDDAVPNLIQLITNSVEMHAYTVQRLYKAILGDYSQQPLVQVAAWCIGEYGDLL            VSGQCEEEPIQVTEDEVLDILESVLISNMSTSVTRGYALTAIMKLSTRFTCTVNRKIKVSVIYGSSIDV            ELQQRAVEYNALFKKYDHMRSALLERMPVMEKVTTNGPTEIVQTNGETEPAPLETKPPPSGPQPTSQAN            D            LLDLLGGNDITPVIPTAPTSKPSSAGGELLDLLGDINLTGAPAAAPAPASVPQISQPPFLLDGLSSQPLF            NDIAAGIPSITAYSKNGLKIEFTFERSNTNPSVTVITIQASNSTELDMTDFVFQAAPKTFQLQLLSPSS            SIVPAFNTGTITQVIKVLNPQKQQLRMRIKLTYNHKGSAEQDLAEVNNFPPQSWQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	91.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol


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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_001025178</u>
<b>Locus ID:</b>	164
<b>UniProt ID:</b>	<u>O43747</u>
<b>RefSeq Size:</b>	6850
<b>Cytogenetics:</b>	16q22.2
<b>RefSeq ORF:</b>	2475
<b>Synonyms:</b>	ADTG; CLAPG1
<b>Summary:</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. 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. [provided by RefSeq, Jul 2008]
<b>Protein Pathways:</b>	Lysosome

### Product images:



Coomassie blue staining of purified AP1G1 protein (Cat# TP303954). The protein was produced from HEK293T cells transfected with AP1G1 cDNA clone (Cat# [RC203954]) using MegaTran 2.0 (Cat# [TT210002]).