

## Recombinant Human AP2M1, T7-tagged

Cat. No. AP2M1-70H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human adaptor-related protein complex 2, mu 1 subunit produced in <i>E.coli</i> is a non-glycosylated, polypeptide chain containing amino acids (1-435) and having a total molecular mass of 50 kDa. rhAP2M1 contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-435 a.a.
<b>Description</b>	AP2M1 is a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptor complexes medium subunits family. This protein is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. It may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein.
<b>Physical Appearance</b>	Sterile Filtered clear solution.
<b>Purity</b>	Greater than 95.0% as determined by the analysis by reducing and non-reducing SDS-PAGE coomassie blue staining.
<b>Formulation</b>	Recombinant Human AP2M1 at a concentration of 0.1mg/ml containing 10 mM Tris, pH 8.0, 0.1% Triton X-100 and 0.002% NaN3.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	• ELISA • MS • Western Blotting.
<b>Storage</b>	RhAP2M1 although stable at 14°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	AP2M1 adaptor-related protein complex 2, mu 1 subunit [ Homo sapiens ]
<b>Synonyms</b>	AP2M1; adaptor-related protein complex 2, mu 1 subunit; mu2; AP50; CLAPM1; clathrin-associated/assembly/adaptor protein, medium 1; plasma membrane adaptor AP-2 50kDA protein; clathrin coat adaptor protein AP50; clathrin adaptor complex AP2, mu subunit; HA2 50 kDA subunit; clathrin assembly protein complex 2 medium chain; AP-2 mu 2 chain; KIAA0109; AP-2 mu-2 chain; Clathrin coat assembly protein AP50; Clathrin coat-associated protein AP50
<b>Gene ID</b>	1173
<b>mRNA Refseq</b>	NM_001025205
<b>Protein Refseq</b>	NP_001020376
<b>MIM</b>	601024
<b>UniProt ID</b>	Q96CW1
<b>Chromosome Location</b>	3q28
<b>Pathway</b>	Endocytosis; Huntington's disease; Gap junction trafficking and regulation; HIV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Infection; Synaptic Transmission

**Function**

lipid binding; protein binding; transporter activity

**PDB rendering based  
on 1bw8.**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA