

Recombinant Human AP2M1, T7-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Protein Length	1-435 a.a.
Description	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.
Physical Appearance	Sterile Filtered clear solution.
Purity	Greater than 95.0% as determined by the analysis by reducing and non-reducing SDS-PAGE coomassie blue staining.
Formulation	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% NaN ₃ .

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Applications	• ELISA • MS • Western Blotting.
Storage	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.
GENE INFORMATION	
Gene Name	AP2M1 adaptor-related protein complex 2, mu 1 subunit [Homo sapiens]
Synonyms	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
Gene ID	1173
mRNA Refseq	NM_001025205
Protein Refseq	NP_001020376
MIM	601024
UniProt ID	Q96CW1
Chromosome Location	3q28
Pathway	Endocytosis; Huntington's disease; Gap junction trafficking and regulation; HIV

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Infection; Synaptic Transmission

Function

lipid binding; protein binding; transporter activity

PDB rendering based
on 1bw8.



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