

Recombinant Human AP2M1, GST-tagged

Cat. No. AP2M1-9717H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human AP2M1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength C-term-269a.a.

Description This gene encodes a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptor complexes medium subunits family. The encoded protein is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. The encoded protein may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein. Two transcript variants encoding different isoforms have been found for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	AP2M1 adaptor-related protein complex 2, mu 1 subunit [Homo sapiens]
Official Symbol	AP2M1
Synonyms	AP2M1; adaptor-related protein complex 2, mu 1 subunit; CLAPM1; AP-2 complex subunit mu; AP 2 mu 2 chain; AP50; clathrin adaptor complex AP2; mu subunit; clathrin assembly protein complex 2 medium chain; clathrin coat adaptor protein AP50; clathrin associated/assembly/adaptor protein; medium 1; HA2 50 kDa subunit; mu2; plasma membrane adaptor AP 2 50kDa protein; adaptin-mu2; AP-2 mu chain; AP-2 mu 2 chain; clathrin coat assembly protein AP50; clathrin coat-associated protein AP50; adaptor protein complex AP-2 subunit mu; clathrin adaptor complex AP2, mu subunit; plasma membrane adaptor AP-2 50kDa protein; plasma membrane adaptor AP-2 50 kDa protein; adapter-related protein complex 2 mu subunit; clathrin-associated/assembly/adaptor protein, medium 1;
Gene ID	1173
mRNA Refseq	NM_001025205
Protein Refseq	NP_001020376
MIM	601024
UniProt ID	Q96CW1
Chromosome Location	3q28
Pathway	Arf1 pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Disease, organism-specific biosystem; EGFR downregulation, organism-specific biosystem; Endocrine

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and other factor-regulated calcium reabsorption, organism-specific biosystem;
Endocrine and other factor-regulated calcium reabsorption, conserved biosystem;

Function

lipid binding; protein binding; transporter activity;

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