

# Recombinant Full Length Human AP2M1 Protein, GST-tagged

**Cat. No.** AP2M1-1035HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human AP2M1 full-length ORF ( NP_004059.2, 1 a.a. - 435 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	435 amino acids
<b>Description</b>	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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]
<b>Molecular Mass</b>	76.1 kDa
<b>AA Sequence</b>	MIGGLFIYNH KGEVLISRKY RDDIGRNAVD AFRVNVIHAR QQVRSPTNI ARTSFFHVKR SNIWLAAVTK QNVNAAMVFE FLYKMCDVMA AYFGKISEEN IKNNFVLIYE LLDEILDFGY PQNSETGALK TFITQQGIKS QHQTKEEQSQ ITSQVTGQIG WRREGIKYRR NELFLDVLES VNLLMSPQGG VLSAHVSGRV VMKSYLSGMP ECKFGMNDKI VIEKQKGKTA DETSKSGKQS IAIDDCTFHQ CVRLSKFDSE RSISFIPPDG EFELMRYRTT KDIILPFRVI PLVREVGRTK

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LEVKVVIKSN FKPSLLAQKI EVRIPTPLNT SGVQVICMKG KAKYKASENA  
 IVWIKRMAG MKESQISAEI ELLPTNDKKK WARPPISMNF EVPFAPSGLK  
 VRYLKVFEPEK LNYSDDHVIK WVRYIGRSGI YETRC

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**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

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**Protein Refseq** NP\_001020376

**MIM** 601024

**UniProt ID** Q96CW1

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