

Recombinant Human AP2M1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AP2M1-5692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AP2M1 MS Standard C13 and N15-labeled recombinant protein (NP_001020376) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	49.2 kDa
AA Sequence	MIGGLFIYNHKGEVLISRVRDDIGRNAVD AFRVNVIHARQQVRSPVTNIARTSFFHV KRSNIWLA AVTKQNVNAAMVFEFLYKMCDVMAAYFGKISEENIKNNFVLIYELLDEIL DFGYPQNSETGALKTFITQQGIKSQHQTKEEQSQITSQVTGQIGWRREGIKYRRNEL FLDVLESVNLLMSPQGQVLSAHVSGRVVMKSYLSGMPECKFGMNDKIVIEKQGKGT ADETSKSGKQSAIDDC TFHQCVRLSKFDSERSISFIPPDGEFELMRYRTTKDIILPFR VIPLVREVGRTKLEVKVVIKSNFKPSLLAQKIEVRIPTPLNTSGVQVICMKGKAKYKAS

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ENAIVWKIKRMAGMKESQISAEIELLPTNDKKKWARPPISMNFEVVPFAPSGLKVRYLK
VFEPKLNYSDDHVIKWVRYIGRSGIYETRCTRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name AP2M1 adaptor related protein complex 2 subunit mu 1 [Homo sapiens (human)]

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;

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Gene ID	1173
mRNA Refseq	NM_001025205
Protein Refseq	NP_001020376
MIM	601024
UniProt ID	Q96CW1
SDS-PAGE	