

## Product datasheet for TP301377M

### AP2M1 (NM\_001025205) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human adaptor-related protein complex 2, mu 1 subunit (AP2M1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201377 representing NM_001025205 Red=Cloning site Green=Tags(s)
	MIGGLFIYNHKGEVLISRVRDDIGRNAVDAFRVNVIHARQQVRSPTNIARTSFFHVKRSNIWLAAVTK QNVNAAMVFEFLYKMCVMAAYFGKISEENIKNNFVLIYELLDEILDFGYPQNSETGALKTFITQQGIKS QHQTKEEQSQITSQVTGQIGWRREGIKYRRNELFLDVLESVLLMSPQGQVLSAHVSGRVVMKSYLSGMP ECKFGMNDKIVIEKQGKGTADETSKSGKQSIADDCTFHQCVRLSKFDSERSISFIPPDGEFELMRYRTT KDII LPFRVIPLVREVGRTKLEVKVVIKSNFKPSLLAQKIEVRIPTPLNTSGVQVICMKGKAKYKASENA IVWKIKRMAGMKESQISAEIELLPTNDKKKWARPPISMNFVFPFAPSGLKVRYLKVFEPLNYSDDHVIK WVRYIGRSGIYETRC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	49.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001020376](#)

Locus ID: 1173

UniProt ID: [Q96CW1](#)

RefSeq Size: 1952

Cytogenetics: 3q27.1

RefSeq ORF: 1305

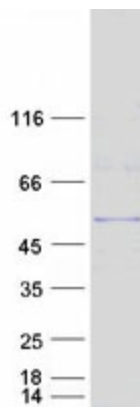
Synonyms: AP50; CLAPM1; MRD60; mu2

**Summary:** 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]

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis, Huntington's disease

### Product images:



Coomassie blue staining of purified AP2M1 protein (Cat# [TP301377]). The protein was produced from HEK293T cells transfected with AP2M1 cDNA clone (Cat# [RC201377]) using MegaTran 2.0 (Cat# [TT210002]).