

Recombinant Human AP2M1, T7 -tagged

Cat. No. AP2M1-27356TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein: Human AP2M1 proetin fused to T7 tag at N-terminus.
Species	Human
Source	E.coli
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.
Conjugation	T7
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium AzideConstituents: 0.1% Triton-X-100, 10mM Tris, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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Sequence Similarities	Belongs to the adaptor complexes medium subunit family.Contains 1 MHD (mu homology) domain.
Full Length	Full L.
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 associ
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; EGFR

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

Function

lipid binding; protein binding; transporter activity;

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