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AP2M1 Recombinant Protein

CATALOG NO.: XW-RP3010

BACKGROUND:
AP2M1 is a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptor complexes medium subunits family. This protein is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. It may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein. FUNCTION: Component of the adaptor complexes which link clathrin to receptors in coated vesicles. Clathrin-associated protein complexes are believed to interact with the cytoplasmic tails of membrane proteins, leading to their selection and concentration. AP50 is a subunit of the plasma membrane adaptor. The complex binds polyphosphoinositide-containing lipids. SUBUNIT: Adaptor protein complex 2 (AP-2) is an heterotetramer composed of two large adaptins (alpha1A/AP2A1 or alpha1B/AP2A1 or alpha2/AP2A2 and beta1/AP2B1), a medium adaptin (mu2/AP2M1) and a small adaptin (σ2long/AP2S1 or σ2short/AP2S1). Interacts with ATP6V1H.

SOURCE: E. coli

PURITY: 95%

BUFFER: 10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN3

FUSION PARTNER: T7 tag at N-terminus

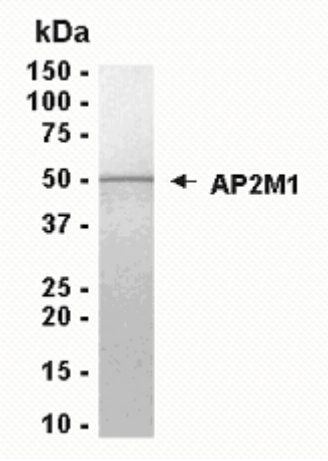
DOMAIN: aa. 1-435

MOLECULAR WEIGHT: 50.0 kDa (Calculated)

PROTEIN GI #: 14917109

PROTEIN ACCESSION #: NP_004059

TESTED APPLICATION: WB,E,MS



SDS PAGE: Analysis of AP2M1 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

STORAGE: Store at -70ºC. As with any protein, exposing AP2M1 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

During shipment, small volumes of AP2M1 recombinant protein will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. **For research use only.**