

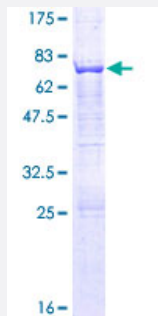
Full-Length

AP3M1 (Human) Recombinant Protein (P01)

Catalog # H00026985-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AP3M1 full-length ORF (NP_036227.1, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MIHSLFLINCSGDIFLEKHWKSVVSQSVCDYFFEAQEKAADVENVPPVISTPHHYLISYRDKLFFVS
VIQTEVPPLFVIEFLHRVADTFQDYFGECSEAAIKDNVVVYELLEEMLDNGFPLATESNILKELIKPP
TILRSVNSITGSSNVGDTLPTGQLSNIPWRRAGVKYTNNEAYFDVVEIDAIDKSGSTVFAEIQGVI
DACIKLSGMPDLSLSFMNPRLLDDVSFHPICIRFKRWESERVLSFIPPDGNFRLISYRVSSQNLVAIP
VYVKHSISFKENSSCGRFDITIGPKQNMGKTIEGITVTVHMPKVVLNMNLTPTQGSYTFDPVTKVLT
WDVGKITPQKLPSLKGLVNLQSGAPKPEENPSLNIQFKIQLAISGLKVNRLDMYGEKYKPFKGVK
YVTKAGKFQVRT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.3

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — AP3M1

Entrez GeneID	26985
GeneBank Accession#	NM_012095.3
Protein Accession#	NP_036227.1
Gene Name	AP3M1
Gene Alias	MGC22164
Gene Description	adaptor-related protein complex 3, mu 1 subunit
Omim ID	610366
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is the medium subunit of AP-3, which is an adaptor-related protein complex associated with the Golgi region as well as more peripheral intracellular structures. A P-3 facilitates the budding of vesicles from the Golgi membrane and may be directly involved in protein sorting to the endosomal/lysosomal system. AP-3 is a heterotetrameric protein complex composed of two large subunits (delta and beta3), a medium subunit (mu3), and a small subunit (sigma 3). Mutations in one of the large subunits of AP-3 have been associated with the Hermansky-Pudlak syndrome, a genetic disorder characterized by defective lysosome-related organelles. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq]
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Other Designations

AP-3 adapter complex mu3A subunit|OTTHUMP00000019859|OTTHUMP00000019860|clathrin adaptor complex AP3, mu-3A subunit|mu-adaptin 3A

Pathway

- [Lysosome](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)