

Recombinant Full Length Human AP3M1 Protein, GST-tagged

Cat. No. AP3M1-1221HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AP3M1 full-length ORF (NP_036227.1, 1 a.a. - 418 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	418 amino acids
Description	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. AP-3 facilitates the budding of vesicles from the Golgi membrane, and it may directly function 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. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Molecular Mass	73.3 kDa
AA Sequence	MIHSLFLINC SGDIFLEKHW KSVVSQSVCD YFFEAQEKAA DVENVPPVIS TPHHYLISYIY RDKLFFVSVI QTEVPPLFVI EFLHRVADTF QDYFGECSEA AIKDNVVIVY ELLEEMLDNG FPLATESNIL KELIKPPTIL RSVVNSITGS

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SNVGDTLPTG QLSNIPWRRRA GVKYTNNEAY FDVVEEIDAI IDKSGSTVFA
 EIQGVIDACI KLSGMPDLSL SFMNPRLDD VSFHPCIRFK RWESERVLSF
 IPPDGNFRLI SYRVSSQNLV AIPVYVKHSI SFKENSSCGR FDITIGPKQN
 MGKTIEGIV TVHMPKVVLN MNLTPTQGSY TFDPVTKVLT WDVGKITPQK
 LPSLKGLVNL QSGAPKPEEN PSLNIQFKIQ QLAIISGLKVN RLDMYGEKYK
 PFKGVKYVTK AGKFQVRT

Applications

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

AP3M1 adaptor-related protein complex 3, mu 1 subunit [Homo sapiens]

Official Symbol

AP3M1

Synonyms

AP3M1; adaptor-related protein complex 3, mu 1 subunit; AP-3 complex subunit mu-1; mu3A-adaptin; mu-adaptin 3A; AP-3 adapter complex mu3A subunit; clathrin adaptor complex AP3, mu-3A subunit; adapter-related protein complex 3 mu-1 subunit; MGC22164

Gene ID

26985

mRNA Refseq

NM_012095

Protein Refseq

NP_036227

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MIM	610366
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UniProt ID	Q9Y2T2
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