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 TPHHYLISIY RDKLFFVSVI QTEVPPLFVI EFLHRVADTF QDYFGECSEA AIKDNVVIVY ELLEEMLDNG FPLATESNIL KELIKPPTIL RSVVNSITGS

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	SNVGDTLPTG QLSNIPWRRA GVKYTNNEAY FDVVEEIDAI IDKSGSTVFA EIQGVIDACI KLSGMPDLSL SFMNPRLLDD VSFHPCIRFK RWESERVLSF IPPDGNFRLI SYRVSSQNLV AIPVYVKHSI SFKENSSCGR FDITIGPKQN MGKTIEGITV TVHMPKVVLN MNLTPTQGSY TFDPVTKVLT WDVGKITPQK LPSLKGLVNL QSGAPKPEEN PSLNIQFKIQ QLAISGLKVN 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
UniProt ID	Q9Y2T2

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