重组人AP1M1蛋白

Recombinant AP1M1 protein (His tag)

目录号 Catalog Number	543535
同用名 Synonyms	AP-mu chain family member mu1A; Adaptor protein complex AP-1 subunit mu-1; Adaptor-related protein complex 1 subunit mu-1; Clathrin assembly protein complex 1 mu-1 medium chain 1; Clathrin coat assembly protein AP47; Clathrin coat-associated protein AP47; Golgi adaptor HA1/AP1 adaptin mu-1 subunit; Mu-adaptin 1; Mu1A-adaptin
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q9BXS5
分子量 Molecular Weight	Predictes a molecular mass of 50.12 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 52 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVSASAV YVLDLKGKVL ICRNYRGDVD MSEVEHFMPI LMEKEEEGML SPILAHGGVR FMWIKHNNLY LVATSKKNAC VSLVFSFLYK VVQVFSEYFK ELEEESIRDN FVIIYELLDE LMDFGYPQTT DSKILQEYIT QEGHKLETGA PRPPATVTNA VSWRSEGIKY RKNEVFLDVI ESVNLLVSAN GNVLRSEIVG SIKMRVFLSG MPELRLGLND KVLFDNTGRG KSKSVELEDV KFHQCVRLSR FENDRTISFI PPDGEFELMS YRLNTHVKPL IWIESVIEKH SHSRIEYMIK AKSQFKRRST ANNVEIHIPV PNDADSPKFK TTVGSVKWVP ENSEIVWSIK SFPGGKEYLM RAHFGLPSVE AEDKEGKPPI SVKFEIPYFT TSGIQVRYLK IIEKSGYQAL PWVRYITQNG DYQLRTQLEH HHHHH
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 2-423 aa (Q9BXS5) were fused with C-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

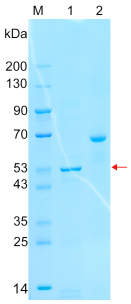
功能描述

研究背景 Background

Recombinant AP-1 complex subunit mu-1 (AP1M1) fragment (residues 2-423) from Homo sapiens, encompassing the complete MHD functional domain. This high-purity protein is an essential tool for investigating clathrin-mediated vesicle trafficking, protein sorting mechanisms, and adaptor complex functions in cellular transport pathways.
The AP-1 complex subunit mu-1 is a crucial component of the clathrin-associated adaptor protein complex 1, which plays a fundamental role in protein sorting within the trans-Golgi network (TGN) and endosomes. AP complexes facilitate clathrin recruitment to membranes and recognize sorting signals in the cytosolic tails of transmembrane cargo molecules. This protein localizes to the Golgi apparatus and clathrin-coated vesicle membranes, where it functions as a peripheral membrane protein on the cytoplasmic side, forming part of the coat structure that surrounds coated vesicles at the Golgi complex. The mu-1 subunit specifically contributes to cargo recognition and sorting spe

验证数据

SDS-PAGE



Recombinant AP1M1 protein (His tag) SDS-PAGE
M: Marker; Lane 1: AP1M1; Lane 2: BSA