

Matrix protein 1 (M) Recombinant Protein | M recombinant protein

Recombinant Influenza A virus Matrix protein 1 (M)

CATALOG # AAA116071	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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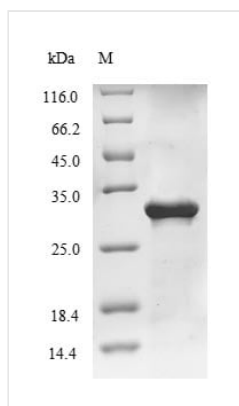
PRODUCT SYNONYMS

Matrix protein 1 (M); Recombinant Influenza A virus Matrix protein 1 (M); Matrix protein 1; M1; M recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-252aa; Full Length
Sequence	MSLLTEVETY VLSIVPSGPL KAEIAQRLED VFAGKNTDLE ALMEWLKTRP ILSPLTKGIL GFVFTLTVP ERGLQRRRFV QNALNGNGDP NNMDRAVKLY RKLKREITFH GAKEIALSYS AGALASCMGL IYNRMGAVTT EVAFGLVCAT CEQIADSQHR SHRQMVTTTN PLIRHENRMV LASTTAKAME QMAGSSEQAA EAMEVASQAR QMVQAMRAIG THPSSSAGLK NDLENLQAY QKRMGVQMQR FK
Species	Influenza A virus (strain A/USA:Iowa/1943 H1N1)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for M recombinant protein	Plays critical roles in virus replication, from virus entry and uncoating to assembly and budding of the virus particle. M1 binding to ribonucleocapsids (RNPs) in nucleus seems to inhibit viral transcription. Interaction of viral NEP with M1-RNP is thought to promote nuclear export of the complex, which is targeted to the virion assembly site at the apical plasma membrane in polarized epithelial cells. Interactions with NA and HA may bring M1, a non-raft-associated protein, into lipid rafts. Forms a continuous shell on the inner side of the lipid bilayer in virion, where it binds the RNP. During virus entry into cell, the M2 ion channel acidifies the internal virion core, inducing M1 dissociation from the RNP. M1-free RNPs are transported to the nucleus, where viral transcription and replication can take place Determines the virion's shape: spherical or filamentous. Clinical isolates of influenza are characterized by the presence of significant proportion of filamentous virions, whereas after multiple passage on eggs or cell culture, virions have only spherical morphology. Filamentous virions are thought to be important to infect neighboring cells, and spherical virions more suited to spread through aerosol between hosts organisms
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229890350
UniProt Accession #	A4GCL0
Molecular Weight	32.8 kDa
NCBI Official Full Name	Matrix protein 1
UniProt Protein Name	Matrix protein 1
UniProt Gene Name	M
UniProt Synonym Gene Names	M1
UniProt Entry Name	M1_I43A0

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/m-recombinant-protein-e-coli/116071>