

Matrix protein 2 (M2) Recombinant Protein | M2 recombinant protein

Recombinant Influenza A virus Matrix protein 2 (M2)

CATALOG # AAA26944	HOST Cell Free Expression
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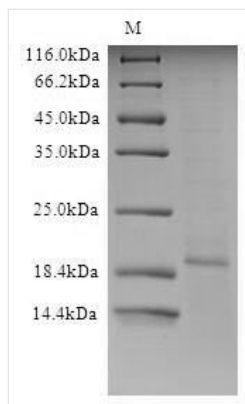
PRODUCT SYNONYMS

Matrix protein 2 (M2); Recombinant Influenza A virus Matrix protein 2 (M2); M2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Cell Free Expression
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	1-97aa; Full Length Protein
Sequence	MSLLTEVETP IRNEWGCRN GSSDPLVIAA SIIGILHLIL WILDRLLFKC IYRRFKYGLK RGPSTEGVPE SMREEYRKEQ QSAVDADDGH FVNIEPE
Application Notes	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Species	Influenza A virus (strain A/USA:Phila/1935 H1N1)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for M2 recombinant protein

Forms a proton-selective ion channel that is necessary for the efficient release of the viral genome during virus entry. After attaching to the cell surface, the virion enters the cell by endocytosis. Acidification of the endosome triggers M2 ion channel activity. The influx of protons into virion interior is believed to disrupt interactions between the viral ribonucleoprotein (RNP), matrix protein 1 (M1), and lipid bilayers, thereby freeing the viral genome from interaction with viral proteins and enabling RNA segments to migrate to the host cell nucleus, where influenza virus RNA transcription and replication occur. Also plays a role in viral proteins secretory pathway. Elevates the intravesicular pH of normally acidic compartments, such as trans-Golgi network, preventing newly formed hemagglutinin from premature switching to the fusion-active conformation (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	229890367
UniProt Accession #	A4GCM0
Molecular Weight	15.1 kDa
NCBI Official Full Name	Matrix protein 2
UniProt Protein Name	Matrix protein 2
UniProt Gene Name	M2
UniProt Entry Name	M2_I35A3

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/m2-recombinant-protein/26944>