

Recombinant H1N1 M1 protein(Met1-Lys252), His-tagged

Cat. No. M1-416H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant influenza A virus (A/Brevig Mission/1/ 1918(H1N1)) matrix protein 1(Q8BAC3.1) (Met1-Lys252), termed as M1, was expressed in E. coli, fused with a N-terminal polyhistidine tag.
Species	H1N1
Source	E.coli
ProteinLength	Met1-Lys252
Form	Lyophilized from sterile 1mM EDTA, 50mM Tris, 50mM NaCl, 5% glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant M1 subunit of influenza A H1N1 consists of 268 amino acids and has a predicted molecular mass of 30 kDa. It migrates as an approximately 35 kDa band in SDS-PAGE under reducing conditions.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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