

Recombinant H1N1 (A/California/04/2009) HA protein, His-tagged

Cat. No. HA-2664V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant H1N1 (A/California/04/2009) HA protein(ACP41105.1) (Met 1-Gln 529) with cleavage site mutated (IQS→RQRRRRK, HA1+HA2, partially cleaved) was expressed in HEK293, with a C-terminal polyhistidine tag.
Species	H1N1
Source	HEK293
ProteinLength	1-529 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Molecular Mass	The secreted recombinant Influenza A virus (A/California/04/2009 (H1N1)) HA (mutated) comprises 527 amino acids and predicts a molecular mass of 60 kDa. As a result of glycosylation and proteolysis, the apparent molecular mass of the hemagglutinin is approximately 25-30, 50-55 and 80-85 kDa in SDS-PAGE under reducing conditions, corresponding to the HA2, HA1 subunit and the full length HA respectively.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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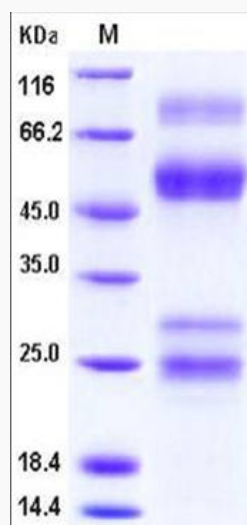
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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

SDS-PAGE



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