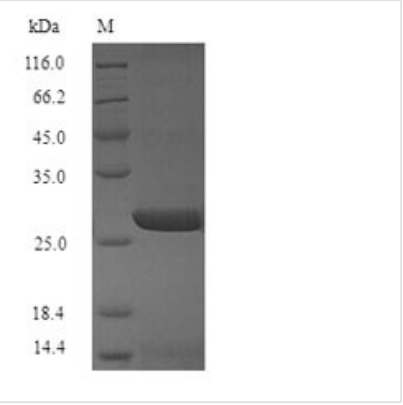
Recombinant Influenza A virus Hemagglutinin (HA) (X347S,X348S,X509S,X538S), partial

Product Code	CSB-YP356048IBA
Relevance	Binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization of about two third of the virus particles through clathrin-dependent endocytosis and about one third through a clathrin- and caveolin-independent pathway. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. Responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. Low pH in endosomes induces an irreversible conformational change in HA2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore.
Abbreviation	Recombinant Influenza A virus HA protein (Mutant type), partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P03441
Product Type	Recombinant Proteins
Immunogen Species	Influenza A virus (strain A/Bangkok/1/1979 H3N2)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GIFGAIAGFIENGWEGMSSGWYGFRHQNSEGTGQAADLKSTQAAIDQINGKL NRVIEKTNEKFHQIEKEFSEVEGRIQDLEKYVEDTKIDLWSYNAELLVALENQH TIDLTDSEMNKLFEKTRRQLRENAEDMGNGCFKIYHKCDNACIGSIRNGTYDH DVYRDEALNNRFQIKGVELKSGYKDWILWISFAISCFLLCVVLLGFIMVSCQKG NIRCNICI
Research Area	Microbiology
Source	Yeast
Target Names	HA
Protein Names	Recommended name: HemagglutininCleaved into the following 2 chains: 1. Hemagglutinin HA1 chain 2. Hemagglutinin HA2 chain
Expression Region	330-550aa(X347S,X348S,X509S,X538S)
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	27.3kDa

Protein Length	Partial

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.