

Hemagglutinin (48-68) / Influenza virus
Synthetic Peptide
Catalog # SP3182b**Specification**

Hemagglutinin (48-68) / Influenza virus - Product Information

Primary Accession [P04663](#)
Other Accession [Q2ICR0](#), [P03449](#), [P03437](#), [Q91MA7](#), [P03439](#)
Sequence [NH2-TGKICNNPHRILDGIDCTLID-COOH](#)

Hemagglutinin (48-68) / Influenza virus - Additional Information**Other Names**

Hemagglutinin, Hemagglutinin HA1 chain, HA

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Hemagglutinin (48-68) / Influenza virus - Protein Information**Name** HA**Function**

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.

Cellular Location

Virion membrane; Single-pass type I membrane protein. Host apical cell membrane; Single-pass type I membrane protein. Note=Targeted to the apical plasma membrane in epithelial polarized cells through a signal present in the transmembrane domain. Associated with glycosphingolipid- and cholesterol-enriched detergent-resistant lipid rafts

Hemagglutinin (48-68) / Influenza virus - Images