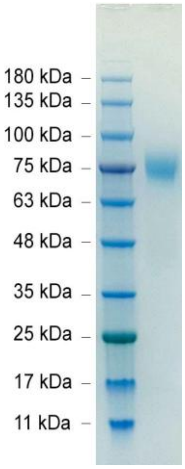
HA (A/Darwin/1454/2025)(H3N2)-Like Virus

CATALOG NUMBER: IA-H3-DR25p, 50 μg, 1 mg

Introduction	Influenza hemagglutinin (HA) is a type of hemagglutinin found on the surface of the influenza viruses. HA is an antigenic glycoprotein, like all other hemagglutinins, it causes red blood cells to agglutinate. HA is responsible for binding the virus to the cell that is being infected. HA proteins bind to cells with sialic acid on the membranes, such as cells in the upper respiratory tract or erythrocytes. HA is a homotrimeric integral membrane glycoprotein. HA monomer is synthesized as a single polypeptide that is subsequently cleaved into two smaller polypeptides, the HA1 and HA2 subunits. Each HA monomer consists of a long, helical chain anchored in the membrane by HA2 and topped by a large HA1 globule.
Description	Recombinant HA protein expressed and purified from HEK293 cells
Viral Protein	C-terminal 6x His tagged hemagglutinin (A/Darwin/1454/2025)(H3N2)(aa 17-529) protein (GISAID Accession#: EPI_ISL_20260622)(recommended FLU vaccine virus strain by WHO and FDA for the 2026-2027 season in North America).
Applications	WB standard, antibody ELISA, immunogen, etc.
Storage	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Concentration	1 μg/μL in PBS
Endotoxin Level	<0.01 EU per 1 μg of the protein by LAL test
Purity	> 95% purity (SDS PAGE)



SDS-PAGE: HA (A/Darwin/1454/2025)(H3N2) protein (reducing condition)

HA(H3N2)(A/Darwin/1454/2025) SEQ:

QNIPGNDNSTATLCLGHHAVPNGTIVKTITNDRIEVTNATELVQNSSIGKICNSPHQILDGGNCTLIDALLGDPQCDGFQNKEWDLFVERSRANSS
CYPYDVPDYASLRSLVASSGTLEFKDESFNWTGVKQNGKSSACKRGSNSSFFSRLNWLTSLDNKYPAQNVTMPNKERFDKLYIWGVHHPDTDRNQF
SLFAQSSGRITVSTKRSQQAVIPNIGSRPRVRDIPSRISIYWTIVKPGDILLINSTGNLIAPRGYFKIRSGKSSIMRSDAPIGECKSECITPNGSI
PNDKPFQNVNRITYGACPRYVKQSTLKLATGMRNVPEKQARGIFGAIAGFIENGWEGMVDGWYGFRHQNSEGRGQAADLKSTQAAIDQINGKLNRL
IGKTNEKFHQIEKEFSEVEGRVQDLEKYVEDTKIDLWSYNAELLVALENQHTIDLTDSEMNKLFEKTKKQLRENAEDMGNGCFKIYHKCDNACIGS
IRNETYDHNVYRDEALNNRFQIKGVELKSGYKD**HHHHHH**

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