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32-13630: H3N2 Canine

Alternative Name : Hemagglutinin

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
H3N2 is a subtype of the influenza A virus. Its name derives from the forms of the two kinds of proteins on the surface of its coat, hemagglutinin (H) and neuraminidase (N). H3N2 exchanges genes for internal proteins with other influenza subtypes. H3N2 has tended to dominate in prevalence over H1N1, H1N2, and influenza B. H3N2 strain descended from H2N2 by antigenic shift, in which genes from multiple subtypes re-assorted to form a new virus. Both the H2N2 and H3N2 strains contained genes from avian influenza viruses.H3N2 viruses are able to infect mammals and birds. In pigs, humans, and birds, the virus has mutated into many strains. Hemagglutinin(HA) binds to sialic acid-containing receptors on the cell surface, generating the attachment of the virus particle to the cell. HA has a vital part in the determination of host range restriction and virulence and is in charge of the diffusion of the virus into the cell cytoplasm by facilitating the fusion of the membrane of the endocytos
Canine H3N2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 336 amino acids (18-344a.a.) and having a molecular mass of 36.9kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). H3N2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	Canine H3N2 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPNLPGNEN NAATLCLGHH AVPNGTIVKT ITDDQIEVTN ATELVQNSST GKICNNPHKI LDGRDCTLID ALLGDPHCDV FQNETWDLFV ERSNAFSNCY PYDVPDYASL RSIVASSGTL EFITEGFTWA GVTQNGGSGA CKRGPANGFF SRLNWLTKSG NTYPVLNVTM PNNNNFDKLY IWGVHHPSTN QEQTSLYIQA SGRVTVSTRR SQQTIIPNIG SRPLVRGQSG RISVYWTIVK PGDVLVINSN GNLIAPRGYF KMRIGKSSIM RSDAPIDTCI SECITPNGSI PNEKPFQNVN KITYGACPKY VKQNTLKLAT GMRNVPEKQT HHHHHH.