Recombinant H3N2 H3N2C protein, His-tagged

Cat. No. H3N2C-211I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	H3N2 Canine produced in Hi-5 cell of Baculovirus is a single polypeptide chain containing 335 amino acids (18-344) and having a molecular mass of 36.8kDa. H3N2 Canine is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.
Species	H3N2
Source	Insect Cells
ProteinLength	335 amino acids (18-344)
Description	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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Sterile Filtered colorless solution. The H3N2 Canine solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
Molecular Mass	36.8kDa
AA sequence	ADNLPGNENNAATLCLGHHAVPNGTIVKTITDDQIEVTNATELVQNSSTGKICNNPHK ILDGRDCTLIDALLGDPHCDVFQNETWDLFVERSNAFSNCYPYDVPDYASLRSIVAS SGTLEFITEGFTWAGVTQNGGSGACKKGPANGFFSRLNWLTKSGNTYPVLNVTMP NNNNFDKLYIWGVHHPSTNQEQTSLYIQASGRVKVSTRRSQQTIIPNIGSRPLVRGQ SGRISVYWTIVKPGDVLVINSNGNLIAPRGYFKMRIGKSSIMRSDAPIDTCISECITPN GSIPNEKPFQNVNKITYGACPKYVKQNTLKLATGMRNVPERQTHHHHHH
Purity	Greater than 90% as determined by SDS-PAGE.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	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.
Shipping	Ice Packs

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