9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# H3N2 Canine

*Hemagglutinin-Influenza A Virus H3N2 Canine Recombinant*
*VAG0160*

## Product Overview

| | |
|---|---|
| Name | H3N2 Canine |
| **Description** | |
| Hemagglutinin-Influenza A Virus H3N2 Canine Recombinant | |
| Accession (Primary) | E2E3B0 |
| **Synonyms** | |
| Hemagglutinin | |
| **Introduction** | |

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

**Source**

Sf9, Baculovirus cells.

**Physical Appearance**

Sterile Filtered colorless solution.

**Formulation**

Canine H3N2 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).

**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.

**Purity**

Greater than 90% as determined by SDS-PAGE.

**Amino acid sequence**

ADP NLPGNEN 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 .

**Precautions**

H3N2 Canine is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( E2E3B0 )