

Fusion glycoprotein F0 (F) Recombinant Protein | F recombinant protein

Recombinant Canine distemper virus Fusion glycoprotein F0 (F), partial

CATALOG #
AAA114635

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

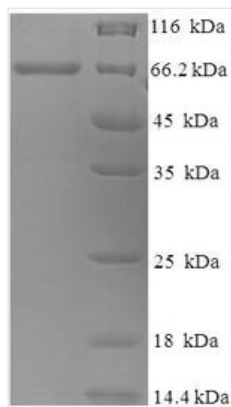
PRODUCT SYNONYMS

Fusion glycoprotein F0 (F); Recombinant Canine distemper virus Fusion glycoprotein F0 (F); partial; F recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	136-608. Partial, provide the complete extracellular domain.
Sequence	QIHWDNLSTI GIIGTDNVHY KIMTRPSHQY LVIKLIPNAS LIENCTKAEL GEYEKLLNSV LEPINQALTL MTKNVKPLQS LGSGRRQRRF AGVVLGVAL GVATAAQITA GIALHQSNNL AQAIQSLRTS LEQSNKAIEE IREATQETVI AVQGVQDYVN NELVPAMQHM SCELVGQRLG LRLRYYTEL LSIFGPSLRD PISAEISQA LIYALGGEIH KILEKLGYSG SDMAILES RGIKTKITHVD LPGKFIISI SYPTLSEVKG VIVHRLEAVS YNIGSQEWYT TVPRYIATNG YLISNFEDESS CVFVSESAIC SQNSLYPMSP LLQQCIRGDT SSCARTLVSG TMGNKFILSK GNIVANCASI LCKCYSTSTI INQSPDKLLT FIASDTCPLV EIDGATIQVG GRQYPDMVYE GKVALGPAIS LDRLDVGTLN GNALKKLDDA KVLIDSSNQI LETVRRSSFN FGS
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for F recombinant protein	Class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and plasma cell membrane fusion, the heptad repeat (HR) regions assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and plasma cell membranes. Directs fusion of viral and cellular membranes leading to delivery of the nucleocapsid into the cytoplasm. This fusion is pH independent and occurs directly at the outer cell membrane. The trimer of F1-F2 (F protein) probably interacts with H at the virion surface. Upon HN binding to its cellular receptor, the hydrophobic fusion peptide is unmasked and interacts with the cellular membrane, inducing the fusion between cell and virion membranes. Later in infection, F proteins expressed at the plasma membrane of infected cells could mediate fusion with adjacent cells to form syncytia, a cytopathic effect that could lead to tissue necrosis.
References	The nucleotide sequence of the gene encoding the F protein of canine distemper virus a comparison of the deduced amino acid sequence with other paramyxoviruses.Barrett T., Clarke D.K., Evans S.A., Rima B.K.Virus Res. 8:373-386(1987) Vaccination of mice against canine distemper virus-induced encephalitis with vaccinia virus recombinants encoding measles or canine distemper virus antigens.Wild T.F., Bernard A., Spehner D., Villeval D., Drillien R.Vaccine 11:438-444(1993) Amino-terminal precursor sequence modulates canine distemper virus fusion protein function.von Messling V., Cattaneo R.J. Virol. 76:4172-4180(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	138249
UniProt Accession #	P12569; Q65991
Molecular Weight	67.5 kDa
NCBI Official Full Name	Fusion glycoprotein F0
UniProt Protein Name	Fusion glycoprotein F0
UniProt Gene Name	F
UniProt Entry Name	FUS_CDVO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/f-recombinant-protein-e-coli/114635>