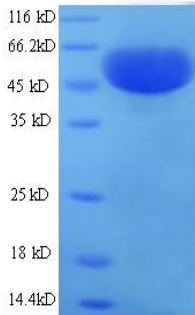




Recombinant Bovine coronavirus Hemagglutinin-esterase (HE)

Catalog Number: CSB-YP323648BJK

Product Name:	Recombinant Bovine coronavirus Hemagglutinin-esterase (HE)
Alternative names:	E3 glycoprotein
Catalog Number:	CSB-YP323648BJK
Relevance :	Structural protein that makes short spikes at the surface of the virus. Contains receptor binding and receptor-destroying activities. Mediates de-O-acetylation of N-acetyl-9-O-acetylneuraminic acid, which is probably the receptor determinant recognized by the virus on the surface of erythrocytes and susceptible cells. This receptor-destroying activity is important for virus release as it probably helps preventing self-aggregation and ensures the efficient spread of the progeny virus from cell to cell. May serve as a secondary viral attachment protein for initiating infection, the spike protein being the major one. Seems to be a 'luxury' protein that is not absolutely necessary for virus infection in culture. However, its presence in the virus may alter its pathogenicity. May become a target for both the humoral and the cellular branches of the immune system.
Mol. Weight:	46kD
Product Info :	His-tagged
Source:	Yeast derived
Images	
Purity:	>90%(SDS-PAGE)
Storage Buffer:	20mM Tris-HCl, 0.5M NaCl, PH 8.0,50% glycerol
Storage :	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes :	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
AA sequence:	FDNPPTNVVSHLNGDWFLFGDSRSDCNHVVNTNPRNYSYMDLNPALCDSGKISSKAGNSIFR SFHFTDFYNYTGEGQQIIFYEGVNFPTYPHAFKCTTSGSNDIWMQNKGLFYTQVYKNMAVYRSL TFVNVVYVYNGSAQSTALCKSGSLVLNNPAYIAREANFGDYKYKVEADFYLSGCDEYIVPLCIF NGKFLSNTKYDDSQYYFNKDTGVIYGLNSTETITGDFDNCHYLVLPSTGNLAINELLTVPT KAICLNKRKDFTPVQVVDNRWNNARQSDNMTAVACQPPYCYFRNSTTNYGVYDINHGDAGF TSILSGLLYDSPCFSQQGVFRYDNVSSVWPLYSYGRCPTAADINTPDVVICVYDPLPLILLGILLG VAVIIIVLLLYFMVDNGTRLHDA
References:	"Structure and orientation of expressed bovine coronavirus hemagglutinin-esterase protein." Kienzle T.E., Abraham S., Hogue B.G., Brian D.A. J. Virol. 64:1834-1838(1990)