Recombinant Bundibugyo strain Ebola virus envelope Glycoprotein (partial, His tag)

Cat No:HR4S0039

For research use only

Overview

Quantity	
Gene Symbol	
Gene ID	
Accession	
Alternative Name	
Species	
Source	Mammalian Cell
Description	This recombinant Bundibugyo ebolavirus envelope glycoprotein, expressed in mammalian cells, corresponds to amino acids 33–304 of the GP1 subunit encoded by the viral GP gene. GP1 forms the receptor-binding component of the mature viral glycoprotein complex and is responsible for mediating interactions with host cells during the initial stages of viral entry. The expressed region contains receptor-binding determinants and several conserved antigenic sites involved in host-cell recognition and immune responses. Expression in mammalian cells supports native protein folding and post-translational modifications that more closely resemble those of the viral glycoprotein. This recombinant protein may be used for serological assays, antibody screening, epitope mapping, monoclonal antibody development, vaccine and immunogenicity studies, receptor-binding studies, and structural and functional characterization of Ebolavirus glycoproteins
Functions	
Formulation	
Solubility	
Appearance	
Molecular Weight	
Purity	>85% (SDS-PAGE)
Concentration	
Shipping Condition	
Storage Condition	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.