# Recombinant Bundibugyo ebolavirus Glycoprotein RBD Protein (Recombinant, Fc Tag)

**Cat No:HR4S0031**

For research use only

## Overview

| | |
|---|---|
| Quantity | |
| Gene Symbol | |
| Gene ID | |
| Accession | ACI28624.1 |
| Alternative Name | |
| Species | |
| Source | HEK293 Cells |
| Description | Ebolavirus glycoprotein GP is the primary surface protein responsible for viral attachment and entry into host cells. GP is synthesized as a precursor that is cleaved into the disulfide-linked subunits GP1 and GP2. GP1 contains the receptor-binding domain (RBD), which mediates interactions with host-cell factors involved in viral uptake and entry. The RBD is a major target of antibody responses and plays an important role in host-cell recognition and viral entry. Owing to its essential role in infection and surface exposure, GP is a major target for vaccine and therapeutic antibody development |
| Functions | |
| Formulation | |
| Solubility | |
| Appearance | Lyophilized powder |
| Molecular Weight | 43.1 kDa |
| Purity | >90% (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. |