

Cynomolgus BST2 Protein

Cat. No. BST-CM202

Description

Source	Recombinant Cynomolgus BST2 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ile49-Ser163.
Accession	XP_005588438.1
Molecular Weight	The protein has a predicted MW of 13.78 kDa. Due to glycosylation, the protein migrates to 15-30 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

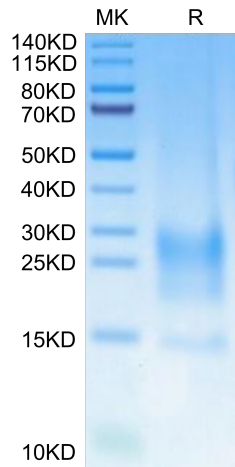
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interferon-induced BST2 (bone marrow stromal cell antigen 2) inhibits viral replication by tethering enveloped virions to the cell surface to restrict viral release and by inducing the NFκB-dependent antiviral immune response. BST2 expression was significantly increased during porcine epidemic diarrhea virus (PEDV) infection of Vero cells by IRF1 targeting its promoter. Both the BST2 and N protein interacted with the E3 ubiquitin ligase MARCHF8/MARCH8 and the cargo receptor.

Assay Data

Tris-Bis PAGE



Cynomolgus BST2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.