

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 Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

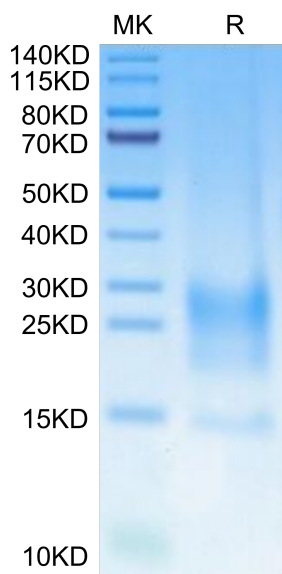
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

Bis-Tris PAGE



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