

# Human BST2 Protein

Cat. No. BST-HM102

## Description

<b>Source</b>	Recombinant Human BST2 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Asn49-Ser161.
<b>Accession</b>	Q10589-1
<b>Molecular Weight</b>	The protein has a predicted MW of 14.5 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

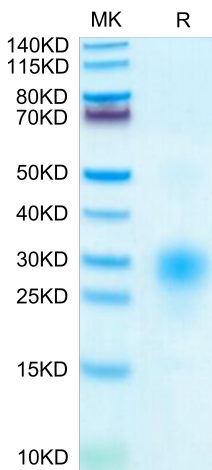
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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

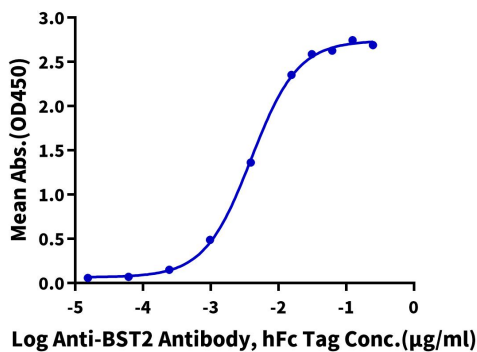


Human BST2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Human BST2, His Tag ELISA

0.2µg Human BST2, His Tag Per Well



Immobilized Human BST2, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-BST2 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA (QC Test).