

Rev03
 Update: Aug,08,2025

DATASHEET

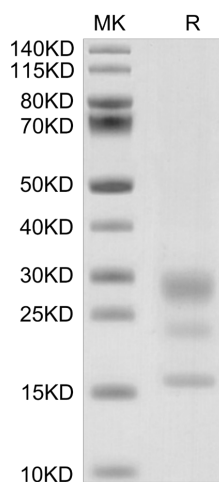
BST2, His, Mouse

Cat. No.: Z06036

Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #333; color: white; padding: 5px; margin-right: 5px;">His</div> <div style="background-color: #0070C0; color: white; padding: 5px; border: 1px solid white;"> BST2 (Thr52-Ser152)_x000D_ Accession # Q8R2Q8 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	13.2 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 17-30 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



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

Background

Target 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 NF κ B-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.

Synonyms : BST-2; HM1.24 antigen; CD317; BST2; NPC-A-7; PDCA-1; TETHERIN

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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