

Human BST1 Protein

Cat. No. BST-HM101

Description

Source	Recombinant Human BST1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly29-Ala293.
Accession	Q10588-1
Molecular Weight	The protein has a predicted MW of 31.2 kDa. Due to glycosylation, the protein migrates to 38-48 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 > 95% as determined by HPLC

Formulation and Storage

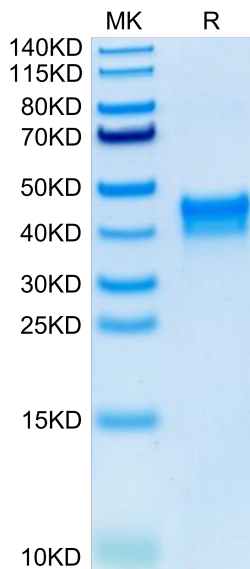
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3-6 months 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

BST1 overexpression conferred resistance to sphingosine in yeast. BST1 deletion produced sensitivity to exogenous D-erythro-sphingosine and phytosphingosine and intracellular accumulation of sphingosine 1-phosphate upon exposure to exogenous sphingosine. sphingoid base metabolism is similar in all eukaryotes and suggests that yeast genetics may be useful in the isolation and identification of other genes involved in sphingolipid signaling and metabolism.

Assay Data

Bis-Tris PAGE

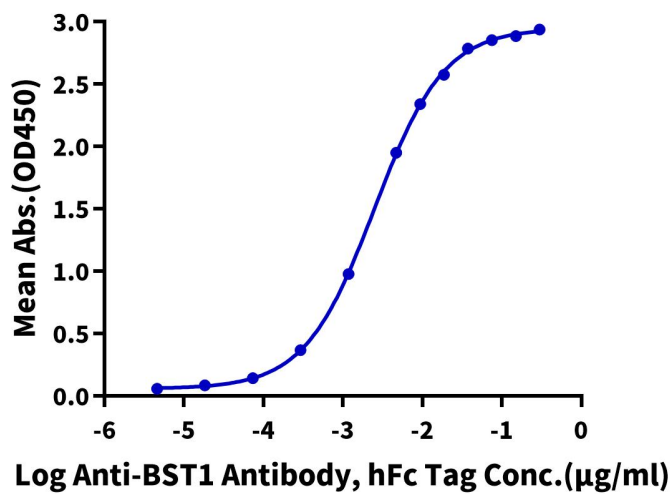


Human BST1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human BST1, His Tag ELISA

0.1µg Human BST1, His Tag Per Well



Immobilized Human BST1, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-BST1 Antibody, hFc Tag with the EC50 of 2.5ng/ml determined by ELISA.