

Datasheet for ABIN7273991  
**BST1 Protein (AA 29-293) (His tag)**

## 2 Images

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## Overview

Quantity:	100 µg
Target:	BST1
Protein Characteristics:	AA 29-293
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BST1 protein is labelled with His tag.

## Product Details

Purpose:	Human BST1 Protein
Sequence:	Gly29-Ala293
Characteristics:	Recombinant Human BST1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly29-Ala293.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human BST1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-BST1 Antibody, hFc Tag with the EC50 of 6.5ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	BST1
Alternative Name:	BST1 ( <a href="#">BST1 Products</a> )
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.
Molecular Weight:	31.2 kDa. Due to glycosylation, the protein migrates to 38-48 kDa based on Tris-Bis PAGE result.

## Application Details

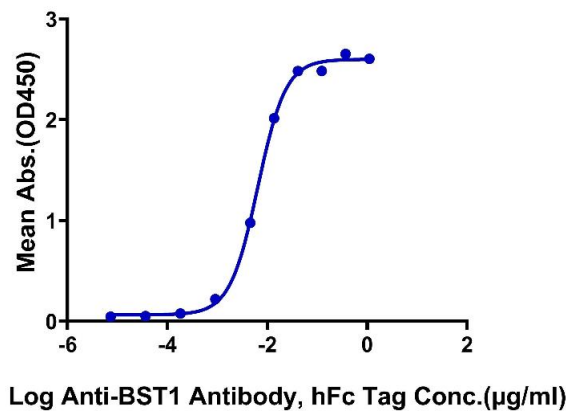
Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 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.
Expiry Date:	12 months

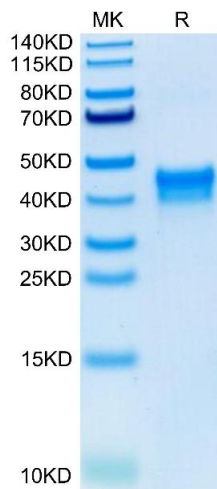
Human BST1, His Tag ELISA

0.05µg Human BST1, His Tag Per Well



ELISA

**Image 1.** Immobilized Human BST1, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-BST1 Antibody, hFc Tag with the EC50 of 6.5 ng/mL determined by ELISA.



SDS-PAGE

**Image 2.** Human BST1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .