

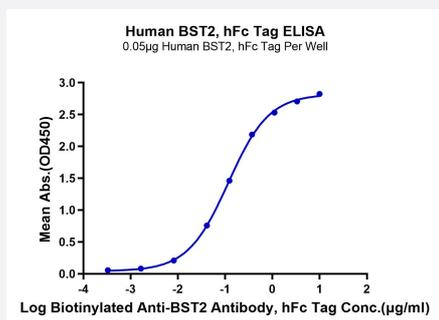
Bioactive

HuPro®

# BST2 (Human) Recombinant Protein

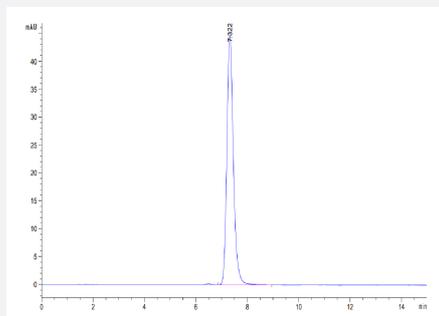
Catalog # P9934      Size 100 ug

## Applications



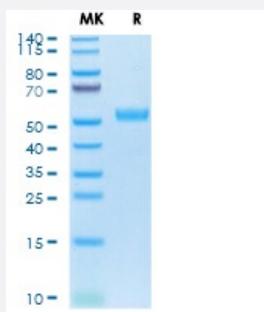
### Enzyme-linked Immunoabsorbent Assay

Immobilized Human BST2, hFc Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-BST2 Antibody, hFc Tag with the EC50 of 0.12 ug/mL determined by ELISA. determined by ELISA.



### SEC-HPLC

The purity of Human BST2 is greater than 95% as determined by SEC-HPLC.



### Tris-Bis PAGE

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

## Specification

### Product Description

Human BST2 (Q10589-1, Asn49-Ser161) partial recombinant protein with hFc tag at N-Terminus expressed in HEK293 cells.

<b>Sequence</b>	Asn49-Ser161
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	40
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
<b>Endotoxin Level</b>	< 1 EU per 1 ug of protein (determined by LAL method)
<b>Activity</b>	The EC <sub>50</sub> was 0.12 ug/mL, measured by ELISA at 0.5 ug/mL.
<b>Quality Control Testing</b>	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human BST2 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human BST2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
<b>Recommend Usage</b>	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water is > 100 ug/mL
<b>Storage Instruction</b>	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

## Gene Info — BST2

<b>Entrez GeneID</b>	<a href="#">684</a>
<b>Protein Accession#</b>	<a href="#">Q10589-1</a>
<b>Gene Name</b>	BST2
<b>Gene Alias</b>	CD317
<b>Gene Description</b>	bone marrow stromal cell antigen 2
<b>Omim ID</b>	<a href="#">600534</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	Bone marrow stromal cells are involved in the growth and development of B-cells. The specific function of the protein encoded by the bone marrow stromal cell antigen 2 is undetermined; however, this protein may play a role in pre-B-cell growth and in rheumatoid arthritis. [provided by RefSeq]
<b>Other Designations</b>	tetherin

## Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)