

# Human TETHERIN / BST2 / CD317 Protein (Fc Tag)

Catalog Number: 13370-H01H



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

CD317; TETHERIN

### Protein Construction:

A DNA sequence encoding the human BST2 (Q10589) (Asn49-Ser160) was expressed, with the fused Fc region of human IgG1 at the N-terminus.

**Source:** Human

**Expression Host:** HEK293 Cells

## QC Testing

**Purity:** > 90 % as determined by SDS-PAGE

### Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Glu

### Molecular Mass:

The recombinant human BST2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 372 amino acids and has a predicted molecular mass of 41 kDa. The apparent molecular mass of the protein is approximately 51 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

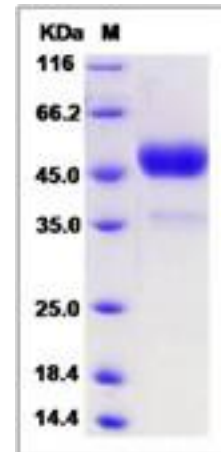
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## References

1. Ishikawa J, *et al.* (1995) Molecular cloning and chromosomal mapping of a bone marrow stromal cell surface gene, BST2, that may be involved in pre-B-cell growth. *Genomics*. 26 (3): 527-34. 2. Viswanathan K, *et al.* (2011) BST2/Tetherin enhances entry of human cytomegalovirus. *PLoS Pathog.* 7(11):e1002332. 3. Gifford RJ. (2011) No trespassing: ancient BST2 deletion confers protection against simian immunodeficiency virus infection of humans. *Hum Mutat.* 32(11).

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