

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



Sino Biological  
Biological Solution Specialist

Catalog Number: 51043-M01H

## General Information

### Gene Name Synonym:

2310015110Rik; Bst-2; C87040; CD317; DAMP-1; GREG

### Protein Construction:

A DNA sequence encoding the extracellular domain of mouse BST2 (Q8R2Q8) (Thr 52-Asn 151) was fused with the Fc region of human IgG1 at the N-terminus.

**Source:** Mouse

**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 mouse BST2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 360 amino acids and has a calculated molecular mass of 40 kDa. The apparent molecular mass of the monomer is approximately 4-50 kDa in SDS-PAGE under reducing conditions.

### 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:

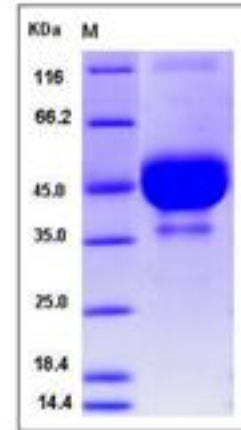
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**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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