

## Recombinant Human BST2, His-tagged

Cat. No. BST2-3569H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human BST2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (50-161aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	BST2, also known as bone marrow stromal antigen 2, is involved in the growth and development of B-cells. BST2 is a human cellular protein which inhibits retrovirus infection by preventing the diffusion of virus particles after budding from infected cells. Initially discovered as an inhibitor to HIV-1 infection in the absence of Vpu, tetherin has also been shown to inhibit the release of other viruses such as the Lassa and Marburg virions. Also, this protein may play a role in B-cell activation in rheumatoid arthritis.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
<b>Molecular Mass</b>	14.8 kDa (133aa), confirmed by MALDI-TOF
<b>Purity</b>	> 80 % by SDS-PAGE
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay )
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MSEACRDGLR AVMECRNVTH LLQQELTEAQ KGFQDVEAQA ATCNHTVMAL MASLDAEKAQ GQKKVEELEG EITTLNHLKQ

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DASAEVERLR RENQVLSVRI ADKKYYPSSQ DSS

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**

BST2 bone marrow stromal cell antigen 2 [ Homo sapiens ]

**Official Symbol**

BST2

**Synonyms**

BST2; bone marrow stromal cell antigen 2; NPC-A-7; CD317; TETHERIN; HM1.24 antigen; bone marrow stromal antigen 2; BST-2; Tetherin; tetherin; CD317 antigen; Bone marrow stromal cell antigen 2

**Gene ID**

684

**mRNA Refseq**

NM\_004335

**Protein Refseq**

NP\_004326

**MIM**

600534

**UniProt ID**

Q10589

**Chromosome Location**

19p13.1

**Function**

protein homodimerization activity; signal transducer activity

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