

Recombinant Human BST2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human BST2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (50-161aa).
Species	Human
Source	E.coli
Description	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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Molecular Mass	14.8 kDa (133aa), confirmed by MALDI-TOF
Purity	> 80 % by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSEACRDGLR AVMECRNVTH LLQQELTEAQ KGFQDVEAQA ATCNHTVMAL MASLDAEKAQ GQKKVEELEG EITTLNHLKQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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