

AR39057PU-N

Human CD317 / BST2 (50-161, His-tag) - Purified

Alternate names:

BST-2, Bone marrow stromal antigen 2, HM1.24 antigen, Tetherin

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q10589](#)

NCBI:

[NP_004326](#)

GeneID:

[684](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80%

Description:

Recombinant human BST2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSEACRDGLR AVMECRNVTH LLQQELTEAQ KGFQDVEAQA
ATCNHTVMAL MASLDAEKAQ GQKKVEELEG EITTLNHLKQ DASAEVERLR RENQVLSVRI
ADKKYYPSSQ DSS

Molecular weight: 14.8 kDa (133aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

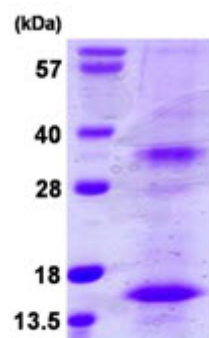
General Readings:

Van Damme N., et al. (2008) Cell Host Microbe. 3:245-252.

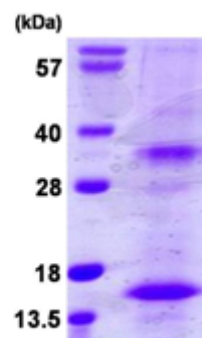
Schubert HL., et al. (2010) Proc Natl Acad Sci U S A. 107(42):17951-6.

Pictures:

Recombinant human BST2, 50-161aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)