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# Recombinant human BST-2/Tetherin protein

Catalog Number: ATGP1117

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

50-161aa

#### UniProt No.

010589

# **NCBI Accession No.**

NP 004326

#### **Alternative Names**

Bone marrow stromal antigen 2, HM1.24 antigen, Tetherin, CD317

## PRODUCT SPECIFICATION

### **Molecular Weight**

14.8 kDa (133aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

#### **Purity**

> 80% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

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



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# **Amino acid Sequence**

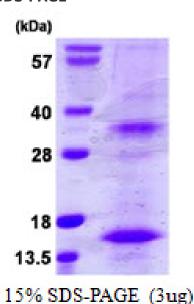
MGSSHHHHHH SSGLVPRGSH MSEACRDGLR AVMECRNVTH LLQQELTEAQ KGFQDVEAQA ATCNHTVMAL MASLDAEKAQ GQKKVEELEG EITTLNHKLQ DASAEVERLR RENQVLSVRI ADKKYYPSSQ DSS

### **General References**

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

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

