
Product Data Sheet

Product Name: BST2 Human
 Cat. No.: GP20125
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bone marrow stromal cell antigen 2; CD317 antigen; BST-2; HM1.24 antigen; Tetherin; NPC-A-7.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSEACRDGLR AVMECRNVTH LLQQELTEAQ KGFQDVEAQA ATCNHTVMAL MASLDAEKAQ GQKKVEELEG EITTLNHLKQ DASAEVERLR RENQVLSVRI ADKKYYPSSQ DSS		
Formulation	BST2 protein 0.5mg/ml is supplied in 20mM Tris-HCl, pH-8, 0.1M NaCl, 1mM DTT and 20% Glycerol.		

Introduction

BST2 takes part in the growth and development of B-cells. The human cellular protein BST2 inhibits retrovirus infection by maintaining the diffusion of virus particles after budding from infected cells. BST2 was originally discovered as an inhibitor to HIV-1 infection in the absence of Vpu, but it is also known to inhibit the release of other viruses such as the Lassa and Marburg virions. In addition, BST2 has a part in B-cell activation in rheumatoid arthritis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

BST2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 133 amino acids (50-161) and having a molecular mass of 14.8 kDa. The BST2 is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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