

BST2 Human

Description: 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.

Catalog #: CYPs-066

For research use only.

Synonyms: Bone marrow stromal cell antigen 2, CD317 antigen, BST-2, HM1.24 antigen, Tetherin, NPC-A-7.

Source: Escherichia Coli.

Physical Appearance: BST2 is supplied as a sterile filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSEACRDGLR AVMECRNVTH
LLQQLTEAQ KGFQDVEAQA ATCNHTVMAL MASLDAEKAQ GQKKVEELEG EITTLNHKLQ
DASAEVERLR RENQVLSVRI ADKKYYPSSQ DSS

Purity: Greater than 80.0% as determined by SDS-PAGE.

Formulation:

BST2 protein 0.5mg/ml is supplied in 20mM Tris-HCl, pH-8, 0.1M NaCl, 1mM DTT and 20% Glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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