

Recombinant Human Tetherin/BST2 Protein (His Tag)

Catalog No. PKSH033296

Note: Centrifuge before opening to ensure complete recovery of vial contents.

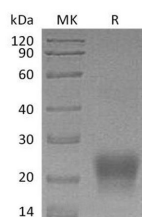
Description

Synonyms	Bone Marrow Stromal Antigen 2;BST-2;HM1.24 Antigen;Tetherin;CD317;BST2
Species	Human
Expression Host	HEK293 Cells
Sequence	Asn49-Ser161
Accession	Q10589
Calculated Molecular Weight	13.7 kDa
Observed molecular weight	23 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Bone Marrow Stromal Antigen 2 (BST2) is a single-pass type II membrane protein that belongs to the tetherin family. BST2 is predominantly expressed in the liver; lung; heart and placenta. BST2 is involved in the sorting of secreted

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proteins. BST2 is a human cellular protein which inhibits retrovirus infection by preventing the diffusion of virus particles after budding from infected cells. BST2 is initially discovered as an inhibitor to HIV-1 infection in the absence of Vpu; it has also been shown to inhibit the release of other viruses such as retroviruses; filoviruses; arenaviruses; and herpes viruses. BST2 may play a role in B-cell activation in rheumatoid arthritis.