

Synonym

ADP-ribosyl cyclase 2, CD157

Source

Human BST1, His Tag (BS1-H52H9) is expressed from human 293 cells (HEK293). It contains AA Gly 29 - Ala 293 (Accession # [Q10588-1](#)).

Predicted N-terminus: Gly 29

Molecular Characterization

BST1(Gly 29 - Ala 293)
Q10588-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 32.1 kDa. The protein migrates as 35-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

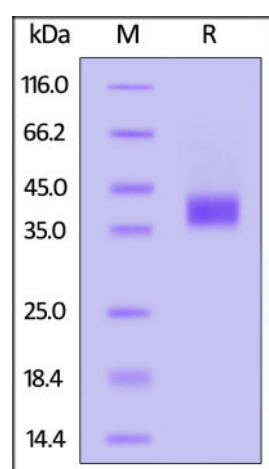
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

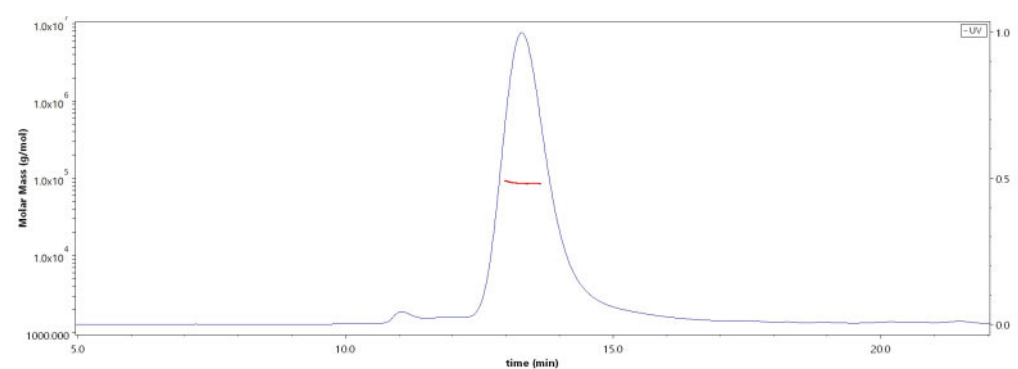
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human BST1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS



The purity of Human BST1, His Tag (Cat. No. BS1-H52H9) is more than 90% and the molecular weight of this protein is around 80-95 kDa verified by SEC-MALS.

[Report](#)

Background

Bone marrow stromal cell antigen-1 (BST-1) or CD157 is a stromal cell line-derived glycosylphosphatidylinositol-anchored molecule that belongs to the CD38 family. CD157 was discovered in a bone marrow stromal cell line where it facilitates pre-B-cell growth. BST1 expression is enhanced in bone marrow stromal cell lines derived from patients with rheumatoid arthritis. The polyclonal B-cell abnormalities in rheumatoid arthritis may be, at least in part, attributed to BST1 overexpression in the stromal cell population.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.