

# Recombinant Human BST-1/CD157 Protein

Catalog No.: RP00541 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	683	Q10588

### Tags

C-His

### Synonyms

BST1;CD157

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
29.95 kDa	35-45 kDa

### Endotoxin

< 0.01 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

The cluster of differentiation (CD) system is a glycosyl phosphatidylinositol anchored membrane protein that belongs to the CD38 family. It is generally used in immunophenotyping. CD157 was discovered in a bone marrow stromal cell line where it facilitates pre-B-cell growth. CD157 is a bifunctional ectoenzyme that exhibits both ADP-ribosyl cyclase and cyclic ADP ribose hydrolase activities followed with CD38. It plays a role in rheumatoid arthritis (RA) due to its enhanced expression in RA-derived bone marrow stromal cell lines. Studies have shown that this protein has a role in predicted to function as a cell surface receptor and an immunoregulatory molecule.

## Basic Information

### Description

Recombinant Human BST-1/CD157 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Gly29-Lys292) of human CD157/BST1/ADP-ribosyl cyclase 2/Cyclic ADP-ribose hydrolase 2 (Accession #Q10588) fused with a 6×His tag at the C-terminus.

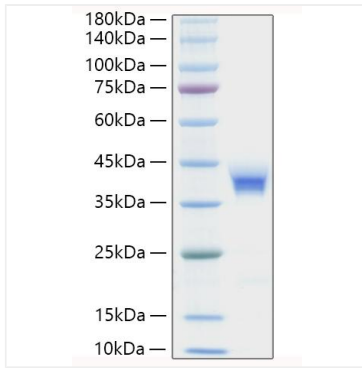
### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human BST-1/CD157 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.