Recombinant Human BST-1/CD157 Protein

Catalog No.: RP00541

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Sequence Information

Species
Human

Gene ID
683

Swiss Prot
Q10588

Tags
C-His

Synonyms
BST1,CD157

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
29.95 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

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

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

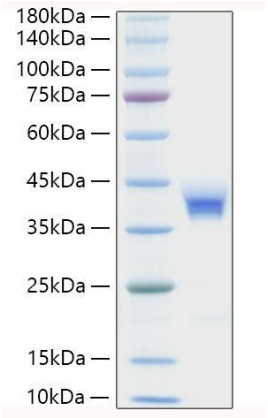
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human BST-1/CD157 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.