

# Recombinant Human CD157 protein (rFc Tag)

Catalog Number: Eg2067

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;0.1 EU/μg protein, LAL method

**Source:**

HEK293-derived Human CD157 protein Arg33-Ala293 (Accession# Q10588-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

683

**Accession:**

Q10588-1

**Predicted Molecular Mass:**

56.0 kDa

**SDS-PAGE:**

58-70 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CD157, also known as bone marrow stromal cell antigen 1 (BST-1), or ADP-ribosyl cyclase 2, is a glycosyl phosphatidylinositol-anchored protein that stimulates pre-B-cell growth and has adenosine diphosphate (ADP)-ribosyl cyclase and cyclic ADP-ribose (cADPR) hydrolase activity. The two enzymatic activities are responsible for the synthesis and hydrolysis of cADPR, a novel second messenger of calcium release from intracellular calcium stores.

## References

1. Sumie Yamamoto-Katayama, et al. (2002) J Mol Biol. Feb 22;316(3):711-23.
2. Y Okuyama, et al. (1996) Biochem Biophys Res Commun. Nov 21;228(3):838-45.
3. A Sato, et al. (1999) Eur J Biochem. Sep;264(2):439-45.

## Synonyms

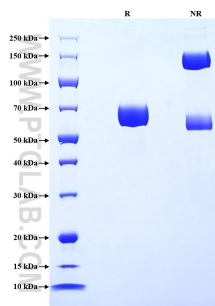
ADP ribosyl cyclase 2, ADP-ribosyl cyclase 2, ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2, Bone marrow stromal antigen 1, BST 1

### For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

Selected Validation Data



Purity of Recombinant Human CD157 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.