

Recombinant Human CD157 protein (rFc Tag)

Catalog Number: Eg2067

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<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.

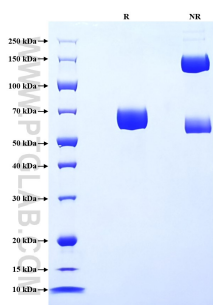
References

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

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.

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

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