

For Research Use Only

Recombinant Mouse CD147 protein (rFc Tag)



Catalog Number: Eg1530

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse CD147 protein Ala22-Arg325 (Accession# P18572-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

12215

Accession:

P18572-1

Predicted Molecular Mass:

59.6 kDa

SDS-PAGE:

67-90 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m 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

CD147, also known as Basigin or extracellular matrix metalloproteinase inducer (EMMPRIN), is a transmembrane glycoprotein that belongs to the immunoglobulin superfamily. The molecule is composed of an intracellular portion, an extracellular portion and a single transmembrane region. CD147 is expressed on a variety of cell types (e.g., hematopoietic, epithelial, and endothelial cells) and at varying levels. CD147 is a pleiotropic molecule that plays an important role in fetal, neuronal, lymphocyte and extracellular matrix development.

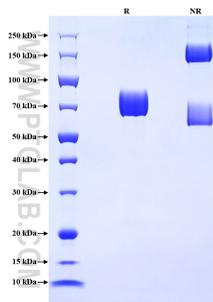
References

1. C Biswas, et al. (1995) Cancer Res. Jan 15;55(2):434-9.
2. Hsiang-Chi Tseng, et al. (2020) Nat Commun. Sep 23;11(1):4810.
3. Kathryn T Iacono, et al. (2007) Exp Mol Pathol. Dec;83(3):283-95.

Synonyms

Basic immunoglobulin superfamily, Basigin, Bsg, HT7 antigen, Membrane glycoprotein gp42

Selected Validation Data



Purity of Recombinant Mouse CD147 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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