

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/  $\mu$ 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  $\mu$ 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.

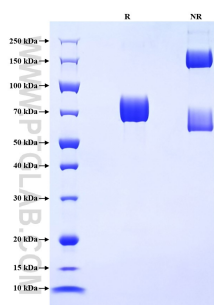
## References

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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