

Recombinant Human Basigin EMMPRIN/CD147 Protein

Catalog No.: RP00608 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 682 054A51

Tags

C-His

Synonyms

Basigin; BSG; CD147; 5F7; M6; OK; TCSF

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

21.2 kDa 28-40 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial 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.

Contact

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Background

CD147, also known as extracellular matrix metalloproteinase inducer (EMMPRIN) or basigin, is expressed in a variety of cell types. It is involved in the regulation of extracellular matrix (ECM) remodeling during physiological and pathological processes including wound healing, inflammatory diseases, and cancer. CD147 is a diagnostic and therapeutic target in cancer and inflammatory diseases, either directly or indirectly, by targeting CD147 partners.

Basic Information

Description

Recombinant Human EMMPRIN/CD147 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala22-His205) of Human EMMPRIN/CD147 (Accession #Q54A51) fused with a C-His tag at the C-terminus.

Bio-Activity

Shipping

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

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

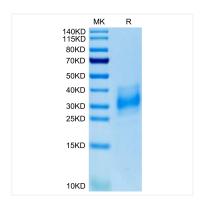
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

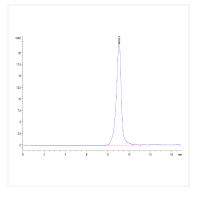
Operational Notes

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

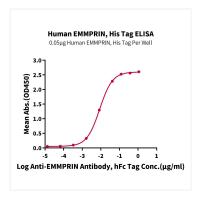
Validation Data



Recombinant Human Basigin EMMPRIN/CD147 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human EMMPRIN is greater than 95% as determined by SEC-HPLC.



Immobilized Human EMMPRIN, His Tag at 0.5 μ g/mL (100 μ L/well) on the plate. Dose response curve for Anti-EMMPRIN Antibody, hFc Tag with the EC $_{50}$ of 8.4ng/mL determined by ELISA.