Recombinant Human Basigin EMMPRIN/CD147 Protein

Catalog No.: RP00608

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Sequence Information

Species	Gene ID
Human	682
Swiss Prot	**Tags**
Q54A51	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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

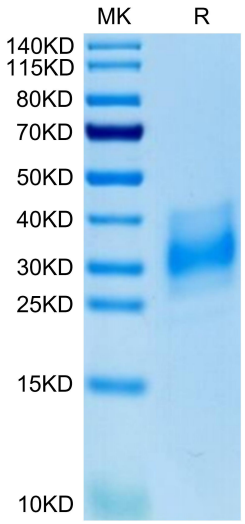
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

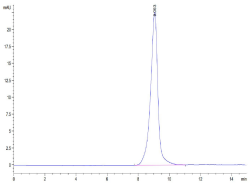
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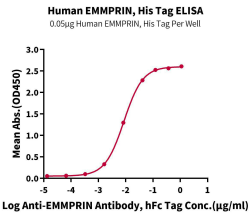
Validation Data



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 μg/mL (100 μL/well) on the plate. Dose response curve for Anti-EMMPRIN Antibody, hFc Tag with the EC_{50} of 8.4ng /mL determined by ELISA.