

Recombinant Human Basigin/EMMPRIN/CD147 Protein

Catalog No.: RP00104 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 682 P35613

Tags

C-hFc&His

Synonyms

5F7; CD147; EMMPRIN; OK; TCSF;BSG; 5F7:

basigin;CD147;EMMPRIN;OK;TCSF;basigi

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

46.71 kDa 65-75 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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

This protein is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms have been found for this gene.

Basic Information

Description

Recombinant Human Basigin/EMMPRIN/CD147 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Thr25-His205) of human CD147/EMMPRIN/Basigin (Accession #NP_001719.2) fused with an Fc, $6 \times$ His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA.Immobilized Human CD147 at $1\mu g/mL$ (100 $\mu L/well$) can bind CD147 Mouse mAb with a linear range of 0.12-3.05 ng/ml.

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°C for 3 months, at 2-8°C for up to 1 week.

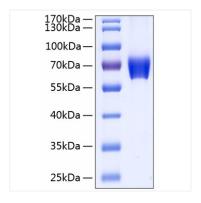
Avoid repeated freeze/thaw cycles.

Operational Notes

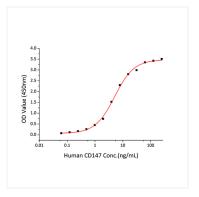
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human Basigin/EMMPRIN/CD147 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human CD147 at 1 μ g/mL (100 μ L/well) can bind CD147 Mouse mAb with a linear range of 0.12-3.05 ng/ml.