

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;basigin

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/μg 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 stabilizer (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×His tag at the C-terminus.

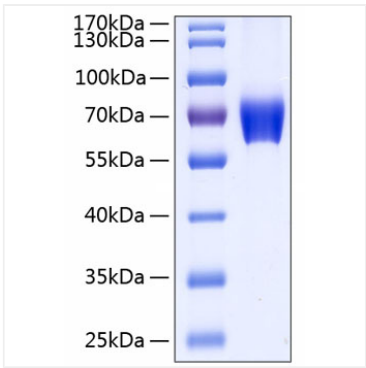
Bio-Activity

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

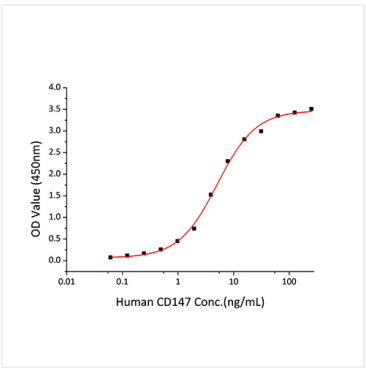
Storage

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.

Validation Data



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



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