

Human CellExp CD147, human recombinant protein
Basigin, BSG, 5F7, CD147, EMMPRIN, M6, OK, TCSF.
Catalog # PBV11076r

Specification

Human CellExp CD147, human recombinant protein - Product info

Primary Accession
Calculated MW

[P35613](#)

This protein is fused with polyhistidine tag at the C-terminus, has a calculated MW of 21.6 kDa. The predicted N-terminus is Ala 22. DTT-reduced Protein migrates as 26-33 kDa due to glycosylation. KDa

Human CellExp CD147, human recombinant protein - Additional Info

Gene ID **682**
Gene Symbol **BSG**

Other Names

Basigin, BSG, 5F7, CD147, EMMPRIN, M6, OK, TCSF.

Gene Source **Human**
Source **HEK293 cells**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**

Results **Measured by the ability of the immobilized protein to induce active MMP1 secretion by NHLF human normal lung fibroblasts. The ED50 for this effect is typically 0.5-4 µg/ml.**

Target/Specificity
CD147

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp CD147, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp CD147, human recombinant protein - Images

Human CellExp CD147, human recombinant protein - Background

CD147, also known as Basigin (BSG), or extracellular matrix metalloproteinase inducer (EMMPRIN). The human basigin protein contains 269 amino acids that form two heavily glycosylated C2 type immunoglobulin-like domains at the N-terminal extracellular portion. A second form of basigin has also been characterized that contains one additional immunoglobulin-like domain in its extracellular portion. As members of the immunoglobulin superfamily play fundamental roles in intercellular recognition involved in various immunologic phenomena, differentiation, and development, basigin is thought also to play a role in intercellular recognition and regulate several distinct functions, such as spermatogenesis, expression of the monocarboxylate transporter and the responsiveness of lymphocytes. Basigin is a type I integral membrane receptor that has many ligands, including the cyclophilin (CyP) proteins Cyp-A and Cyp-B and certain integrins.

Human CellExp CD147, human recombinant protein - References

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