

## Active Recombinant Human BSG protein, hFc&His-tagged

**Cat. No.** BSG-2635H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human Basigin/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. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Thr25-His205                                                                                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized? Human CD147 at 1ug/mL (100 µL/well)? can bind CD147 Mouse mAb with a linear range of 0.12-3.05 ng/ml.                                                                                   |
| <b>Molecular Mass</b>   | 60-65 kDa                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 95% by SDS-PAGE.                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store the lyophilized protein at -20°C to -80 °C for long term.<br>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for                                                                                               |

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up to 1 week.

**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## GENE INFORMATION

**Gene Name** BSG basigin (Ok blood group) [ Homo sapiens ]

**Official Symbol** BSG

**Synonyms** BSG; basigin (Ok blood group); basigin (OK blood group) , OK; basigin; CD147; EMMPRIN; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor; M6; OK; 5F7; TCSF;

**Gene ID** 682

**mRNA Refseq** NM\_001728

**Protein Refseq** NP\_001719

**MIM** 109480

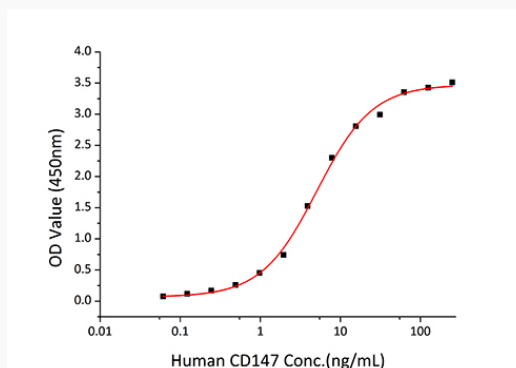
**UniProt ID** P35613

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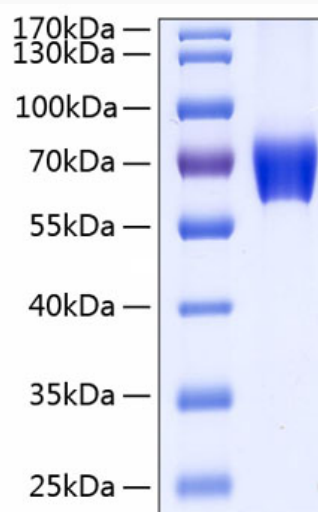
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## Bio-activity



## SDS-PAGE



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