Recombinant Human BSG Protein (Ala22-Ala207), His tagged

Cat. No. BSG-0673H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD147 (Ala22-Ala207) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala22-Ala207
Description	CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.

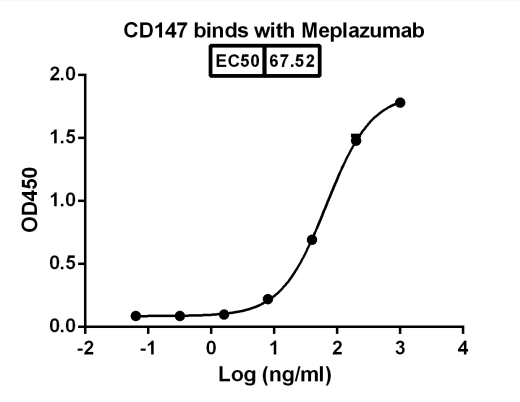
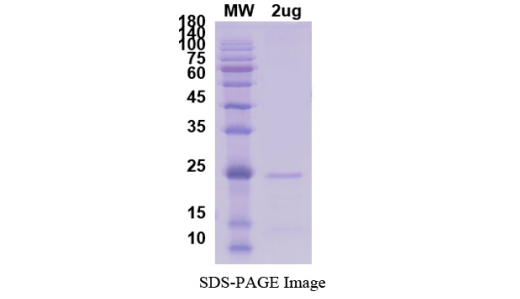
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Form	Lyophilized powder/frozen liquid
Molecular Mass	21.67 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

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

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mRNA Refseq	NM_001728
Protein Refseq	NP_001719
MIM	109480
UniProt ID	P35613
Activity	
SDS-PAGE	

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