Active Recombinant Human CD147 Protein, His-tagged

Cat. No. BSG-606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD147 (22-205) protein was expressed in CHO cells using a C-terminal His-tag.
Species	Human
Source	CHO
ProteinLength	22-205
Description	The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene.
Bio-activity	Binding ability measured in a functional ELISA. CD147 (22-205) protein (His tag) can bind to immobilized 2019-nCoV spike protein RBD (Fc-tag).
Molecular Mass	30-36 kDa
Purity	>90 %
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot targets into smaller

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	quantities after centrifugation and store at the recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.5 μg/μl
Storage Buffer	Recombinant protein stored in 50mM sodium phosphate, pH 7.5, 300mM NaCl, 150mM imidazole.
Shipping	On dry ice.

GENE INFORMATION

Gene Name	BSG basigin (Ok blood group) [Homo sapiens (human)]
Official Symbol	BSG
Synonyms	BSG; basigin (Ok blood group); OK; 5F7; TCSF; CD147; EMPRIN; HAb18G; EMMPRIN; SLC7A11; basigin; OK blood group antigen; collagenase stimulatory factor; extracellular matrix metalloproteinase inducer; hepatoma-ass centigradeiated antigen; leuk centigradeyte activation antigen M6; tumor cell-derived collagenase stimulatory factor
Gene ID	682
mRNA Refseq	NM_198589
Protein Refseq	NP_940991
MIM	109480
UniProt ID	P35613

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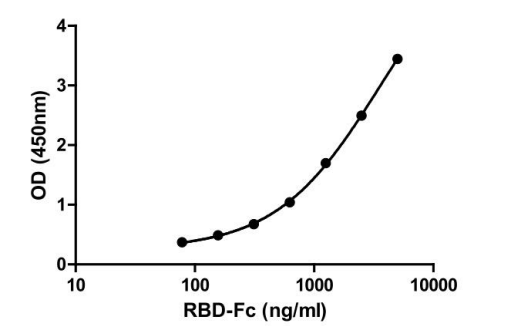
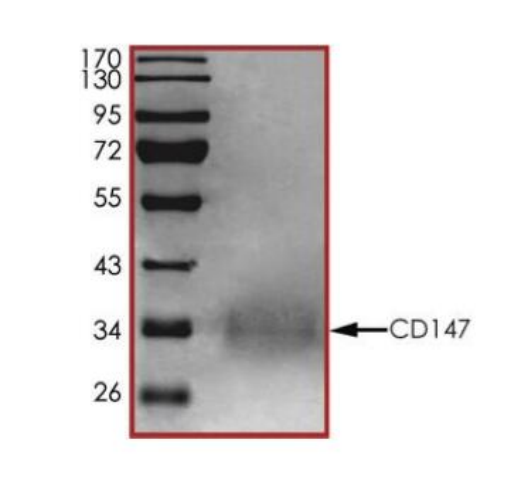
Activity	 Binding ability measured in a functional ELISA. CD147 (22-205) protein (His tag) can bind to immobilized 2019-nCoV spike protein RBD (Fc-tag).
Purity	 The purity of CD147 (22-205) was determined to be >90% by densitometry, approx. MW 30-36 kDa.

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