

Active Recombinant Human BSG protein

Cat. No. BSG-618H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human BSG protein(NP_940991.1)(Met 1-His 205) with quinary-aa peptide (DDDDK) at the C-terminus was expressed and purified in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-205 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0.
Bio-activity	Using the Octet RED System, the affinity constant (Kd) of human CD147 bound to Human PPIA-His was 0.3 μ M.
Molecular Mass	The recombinant mature human CD147 cytokine comprises 190 amino acids and has a predicted molecular mass of 20.7 kDa. As a result of glycosylation, the rhCD147 migrates as an approximately 35-38 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE and SEC-HPLC Analysis.
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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