

Recombinant Human BSG Protein, C-His-tagged

Cat. No. BSG-134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BSG Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Basigin (EMMPRIN, CD147) is a type I integral membrane receptor protein belonging to the immunoglobulin superfamily. Basigin is a glycosylated protein with four known isoforms, of which isoform 2 is the most abundantly expressed. Multiple functions have been ascribed to Basigin; foremost among these is stimulating the secretion of extracellular matrix metalloproteinases by adjacent fibroblasts, a function which has been implicated in promoting tumor progression. Research studies have shown that Basigin is overexpressed by many tumor cells, and its expression level may correlate with tumor malignancy. A recent study identified the BASIGIN gene as a regulatory target of Slug, suggesting a role for Basigin in the process of epithelial-mesenchymal transition. Basigin has also been identified as a marker for a subset of highly suppressive regulatory T cells, and as an obligate receptor for the malarial parasite Plasmodium falciparum on human erythrocytes.
Molecular Mass	~20 kDa
AA Sequence	EPGTVFTTVEDLGSKILLTCSLNDSEVTGHRWLKGGVVLKEDALPGQKTEFKVDS DDQWGEYSCVFLPEPMGTANIQLHGPPRVKAVKSSEHINEGETAMLVCKSESVPV TDWAWYKITDSEDKALMNGSESRRFFVSSSQGRSELHIENLNMEADPGQYRCNGTS

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	SKGSDQAIITLRVRSILA
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

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
mRNA Refseq	NM_001728
Protein Refseq	NP_001719

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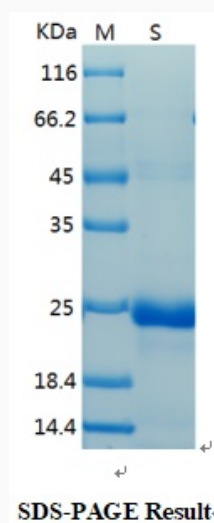
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MIM 109480

UniProt ID P35613

SDS-PAGE



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