Recombinant Human BSG

Cat. No. BSG-27216TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CD147 (amino acids 206-305) with N terminal proprietary tag, 36.63kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	The protein encoded by this gene is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Present only in vascular endothelium in non-neoplastic regions of the brain, whereas it is present in tumor cells but not in proliferating blood vessels in malignant gliomas.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LPEPMGTANIQLHGPPRVKAVKSSEHINEGETAMLVCKSESVPPVTDWAWYKITDSEDKALMNGSESRFFVSSSQGRSELHIENLNMEADPGQYRCNGTS
Sequence Similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 Ig-like V-type (immunoglobulin-like) domain.

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;
Gene ID	682
mRNA Refseq	NM_001728
Protein Refseq	NP_001719
MIM	109480
Uniprot ID	P35613
Chromosome Location	19p13.3
Pathway	Basigin interactions, organism-specific biosystem; Cell surface interactions at the

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	vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
Function	lactate transmembrane transporter activity; mannose binding; sugar binding;

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