

## Recombinant Human BSG

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human CD147 (amino acids 206-305) with N terminal proprietary tag, 36.63kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	36.630kDa inclusive of tags
<b>Tissue specificity</b>	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.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	LPEPMGTANIQLHGPPRVKAVKSSEHINEGETAMLVCKSESVPPVTDWAWYKITDS EDKALMNGSESRRFFVSSSQGRSELHIENLNMEADPGQYRCNGTS
<b>Sequence Similarities</b>	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">BSG basigin (Ok blood group) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">BSG</a>
<b>Synonyms</b>	BSG; basigin (Ok blood group); basigin (OK blood group) , OK; basigin; CD147; EMMPRIN;
<b>Gene ID</b>	<a href="#">682</a>
<b>mRNA Refseq</b>	<a href="#">NM_001728</a>
<b>Protein Refseq</b>	<a href="#">NP_001719</a>
<b>MIM</b>	<a href="#">109480</a>
<b>Uniprot ID</b>	<a href="#">P35613</a>
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Basigin interactions, organism-specific biosystem; Cell surface interactions at the

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA