

## Recombinant Human BSG, GST-tagged

**Cat. No.** BSG-105H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BSG full-length ORF ( 1 a.a. - 269 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                |
| <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 Mass</b>   | 55.6 kDa                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MAAALFVLLGFALLGTHGASGAAGTVFTTVEDLGSKILLTCSLNDSEVTGHRWLK<br>GGVVLKEDALPGQKTEFK VDSDDQWGEYSCVFLPEPMGTANIQLHGPPRVKAVKS<br>SEHINE GETAMLVCKSESVPPVTDWAWYKITDSEDKA LMNGSESRRFFVSSSQGRS<br>ELHIENLNMEADPGQYRCNGTSSKGSQDAITLRVSHLAALWPFLGIVAEVLVLVT II<br>FIYEKRRKPE DVLDDDDAGSAPLKSSGQHQNCKGKNVRQRNSS                                           |
| <b>Applications</b>     | ELISA; WB-Re; AP; Array                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                           |

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**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** BSG basigin (Ok blood group) [ Homo sapiens (human) ]

**Official Symbol** BSG

**Synonyms**

BSG; M6; OK; 5F7; TCSF; CD147; EMMPRIN; basigin (Ok blood group); basigin; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor

**Gene ID** 682

**mRNA Refseq** NM\_198589

**Protein Refseq** NP\_940991

**MIM** 109480

**UniProt ID** P35613

**Chromosome Location** 19p13.3

**Pathway**

Basigin interactions; Cell surface interactions at the vascular wall; Integrin cell surface interactions

**Function** mannose binding; protein binding

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