

# Recombinant Human BSG Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BSG-3338H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | BSG MS Standard C13 and N15-labeled recombinant protein (NP_940993) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 22.6 kDa                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MKQSDASPQERVDSDDQWGEYSCVFLPEPMGTANIQLHGPPRVKAVKSSEHINEG<br>ETAMLVCKSESVPVPTDWAUWKITDSEDKALMNGSESRRFFVSSSQGRSELHIENLN<br>MEADPGQYRCNGTSSKGSQDAITLVRSHLAALWPFLGIVAEVLVLVTIIFIYEKRRK<br>PEDVLDDDDAGSAPLKSSGQHQNCKGKNVRQRNSSSGPTRTRRLEQKLISEEDLA<br>ANDILDYKDDDDKV                                                                                                                     |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                                     |

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## 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\_198591

**Protein Refseq** NP\_940993

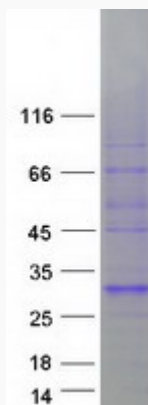
**MIM** 109480

**UniProt ID** P35613

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**SDS-PAGE**

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