

## Recombinant Mouse Bsg protein, His-tagged

**Cat. No.** Bsg-2267M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Bsg protein(NP_001070652.1)(Met1-Arg209), fused with His tag, was expressed in HEK293.                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Met1-Arg209                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA. |
| <b>Molecular Mass</b>   | The secreted recombinant mouse BSG comprises 199 amino acids and has a predicted molecular mass of 30 kDa. As a result of glycosylation, the apparent molecular mass of rm BSG is approximately 30-35 kDa in SDS-PAGE under reducing conditions.                                  |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein                                                                                                      |

 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

be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [Bsg basigin \[ Mus musculus \]](#)

**Official Symbol** [Bsg](#)

**Synonyms** BSG; basigin; gp 42; HT7 antigen; neurothelin; 5A11/Basigin; membrane glycoprotein gp42; basic immunoglobulin superfamily; HT-7; CD147; EMMPRIN; AI115436; AI325119;

**Gene ID** [12215](#)

**mRNA Refseq** [NM\\_001077184](#)

**Protein Refseq** [NP\\_001070652](#)

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