

## Recombinant Rat Bsg Protein, His-tagged

Cat. No. Bsg-612R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Bsg Protein (Ala22-Arg324) with His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala22-Arg324
<b>Description</b>	Predicted to enable cell-cell adhesion mediator activity; signaling receptor activity; and virus receptor activity. Involved in several processes, including decidualization; embryo implantation; and response to cAMP. Located in membrane raft; mitochondrion; and sarcolemma. Is integral component of plasma membrane. Orthologous to human BSG (basigin (Ok blood group)).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 36.7 kDa; Accurate Molecular Mass: 48 kDa
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

Bsg basigin [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Bsg

**Synonyms**

BSG; basigin; neurothelin; OX-47 antigen; glycoprotein CE9; Basigin (Ox47 antigen or CE-9) (EMMPRIN in human) (neurothelin HT7 or 5A11 in avian); Basignin (Ox47 antigen or CE-9) (EMMPRIN in human) (neurothelin HT7 or 5A11 in avian); CE9; HT7; 5A11; Ox47R; EMMPRIN; basignin;

**Gene ID**

25246

**mRNA Refseq**

NM\_001109882

**Protein Refseq**

NP\_001103352

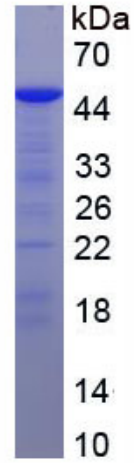
**UniProt ID**

P26453

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