

Recombinant Rat Bsg Protein, His-tagged

Cat. No. Bsg-611R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bsg Protein (Ala22-Arg324) with His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Ala22-Arg324
Description	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)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.6 kDa; Accurate Molecular Mass: 44-55 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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

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

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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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