Recombinant Mouse Bsg Protein, His&SUMO-tagged

Cat. No. Bsg-653M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bsg Protein (Ala22-Arg325) with His&SUMO tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala22-Arg325
Description	Predicted to enable cell-cell adhesion mediator activity; signaling receptor activity; and virus receptor activity. Involved in neural retina development; photoreceptor cell maintenance; and spermatogenesis. Located in several cellular components, including acrosomal membrane; photoreceptor inner segment; and photoreceptor outer segment. Is expressed in several structures, including alimentary system; brain; early conceptus; reproductive system; and sensory organ. Orthologous to human BSG (basigin (Ok blood group)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.7 kDa; Accurate Molecular Mass: 48 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

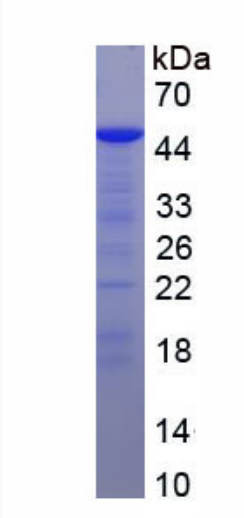
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is 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 [Mus musculus (house mouse)]
Official Symbol	Bsg
Synonyms	Bsg; basigin; HT-7; CD147; EMMPRIN; AI115436; AI325119; basigin; 5A11/Basigin; HT7 antigen; basic immunoglobulin superfamily; gp 42; membrane glycoprotein gp42; neurothelin
Gene ID	12215
mRNA Refseq	NM_009768
Protein Refseq	NP_033898
UniProt ID	P18572

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