Recombinant Mouse Bsg Protein, His-tagged

Cat. No. Bsg-610M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bsg Protein (Ala22-Arg325) with His tag was expressed in 293F.
Species	Mouse
Source	HEK293
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: 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

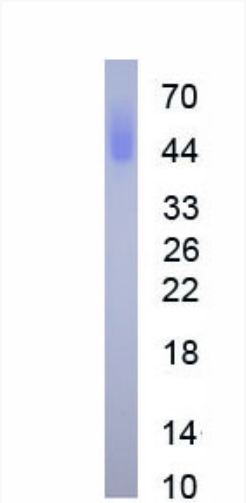
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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
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; 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
UniProt ID	P18572

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