

Recombinant Human BSG Protein (22-207aa), C-hlgG-His-Tagged

Product Information

Cat	IMP-9484
Official Symbol	BSG
Product Overview	Recombinant human BSG, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Description	BSG, also known as basigin isoform 2, is a type 1 transmembrane protein with various different N- and O-glycosylation that belongs to the immunoglobulin superfamily. As members of the immunoglobulin superfamily play fundamental roles in intercellular recognition involved in various immunologic phenomena, differentiation, and development, it is thought also to play a role in intercellular recognition. This protein has many ligands, including the cyclophilin (CyP) proteins Cyp-A and CyP-B and certain integrins and regulates several distinct functions, such as spermatogenesis, expression of the mono-carboxylate transporter and the responsiveness of lymphocytes. Also, it induces the production and release of matrix metalloproteinases in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells.
Expression System	Baculovirus
Species	Human
Tag	C-hlgG-His
Form	Liquid in Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	47.5 kDa (428 aa)
Protein length	22-207
AA Sequence	ADPAAGTVFTTVEDLGSKILLTCSLNDSATEVTGHRWLKGGVVLKEDALP GQKTEFKVDSDDQWGEYSCVFLPEPMGTANIQLHGPPRVKAVKSSEHIN EGETAMLVCKSESVPVTDWAWYKITDSEDKALMNGSESRRFFVSSSQG RSELHIENLNMEADPGQYRCNGTSSKGSQDAITLVRSHLALEPKSCDK THTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPE VKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYK CKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKG FYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQG NVFSCSVMHLEHNHYTQKSLSLSPGKHHHHHHH
Endotoxin	< 1 EU/μg of protein (determined by LAL method)

Purity > 90% by SDS-PAGE

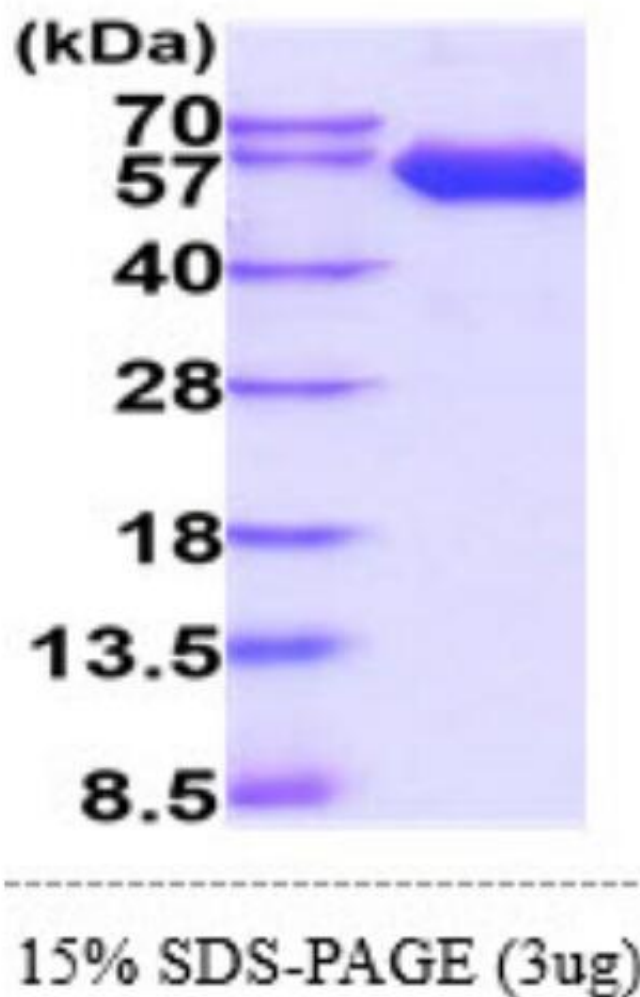
Applications SDS-PAGE

Notes *Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.*

Storage *Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.*

Concentration 0.5 mg/mL (determined by absorbance at 280nm)

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.