Recombinant Human BSG Protein, His-tagged

Cat. No. BSG-217H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BSG protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	385
Description	The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized
Molecular Mass	21.6 kDa
AA Sequence	MAAALFVLLGFALLGTHGASGAAGFVQAPLSQQRWVGGSVELHCEAVGSPVPEIQ WWFEGQGPNDTCSQLWDGARLDRVHIHATYHQHAASTISIDTLVEEDTGTYECRAS NDPDRNHLTRAPRVKWVRAQAVVLVLEPGTVFTTVEDLGSKILLTCSLNDSATEVTG HRWLKGGVVLKEDALPGQKTEFKVDSDDQWGEYSCVFLPEPMGTANIQLHGPPRV KAVKSSEHINEGETAMLVCKSESVPPVTDWAWYKITDSEDKALMNGSESRFFVSSS QGRSELHIENLNMEADPGQYRCNGTSSKGSDQAIITLRVRSHLAALWPFLGIVAEVL VLVTIIFIYEKRRKPEDVLDDDDAGSAPLKSSGQHQNDKGKNVRQRNSS

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 μg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	BSG basigin (Ok blood group) [Homo sapiens (human)]
Official Symbol	BSG
Synonyms	BSG; basigin (Ok blood group); basigin (OK blood group) , OK; basigin; CD147; EMMPRIN; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor; M6; OK; 5F7; TCSF;
Gene ID	682

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mRNA Refseq	NM_001728
Protein Refseq	NP_001719
MIM	109480
UniProt ID	P35613

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