

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
 WWFEGQGPNDTCSQLWDGARLDRVHIHATYHQHAASISIDTLVEEDTGTYECRAS
 NDPDRNHLTRAPRVKQVRAQAVVLVLEPGTVFTTVEDLGSKILLTCSLNDSETEVTG
 HRWLKGGVVLKEDALPGQKTEFKVDSDDQWGEYSCVFLPEPMGTANIQLHGPPRV
 KAVKSSEHINEGETAMLVCKSESVPVTDWAWYKITDSEDKALMNGSESRRFFVSSS
 QGRSELHIENLNMEADPGQYRCNGTSSKGSQDAITLRVRSHLAALWPFLGIVAEVL
 VLVTIIFIYEKRRKPEDVLDDDDAGSAPLKSSGQHQNCKGKNVRQRNSS

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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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