

32-13058: BSG Human

Alternative Name : Basigin isoform 2, 5F7, CD147, EMMPRIN, OK, TCSF, Leukocyte activation antigen M6, OK blood group antigen.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Basigin Isoform 2 or BSG is a part of the immunoglobulin superfamily, it is a type 1 transmembrane protein which has a variety of Nand O- glycosylation. BSG has several ligands, such as integrins, cyclophilin proteins Cyp-A & Cyp-B. The protein has a crucial role in intercellular recognition, it takes part in many immunologic processes, differentiation and cell development. Also, it regulates numerous cell processes such as production and release of expression of the mono-carboxylate transporter, spermatogenesis, etc. Basigin Isoform 2 promotes invasion, metastasis, growth and survival of malignant cells by producing and releasing matrix metalloproteinases nearby mesenchymal cells and tumor cells.

BSG produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 428 amino acids (22-207a.a.) and having a molecular mass of 47.5kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).BSG is expressed with a 242 amino acid hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : BSG protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid : ADPAAGTVFT TVEDLGSKIL LTCSLNDSAT EVTGHRWLKG GVVLKEDALP GQKTEFKVDS DDQWGEYSCV
FLPEPMGTAN IQLHGPPRVK AVKSSEHINE GETAMLVCKS ESVPPVDWA WYKITDSEDK ALMNGSESRF
FVSSQGRSE LHIEENLMEA DPGQYRCNGT SSKGSDQAIITLRVSHLAL EPKSCDKTHT CPPCPAPELL
GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV
LTVLHQDWLN GKEYKCKVSN KALPAIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS
DIAVEWESNGQPENNYKTP PVLDSGDGFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTKSLSLSP
GKHHHHHH.