9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

BSG Human

Basigin Human Recombinant
CDA0004

Product Overview

Name	BSG Human
Description	
Basigin Human Recombinant	
Accession (Primary)	P35613
Synonyms	
Basigin isoform 2, 5F7, CD147, EMMPRIN, OK, TCSF, Leukocyte activation antigen M6, OK blood group antigen.	
Introduction	
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 numerus 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.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
BSG protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
ADP AAGTVFT TVEDLGSKIL LTCSLNDSAT EVTGHRWLKG GVVLKEDALP GQKTEFKVDS DDQWGEYSCV FLPEPMGTAN IQLHGPPRVK AVKSSEHINE GETAMLVCKS ESVPPVTDWA WYKITDSEDK ALMNGSESRF	

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FVSSSQGRSE LHIENLNMEA DPGQYRCNGT SSKGSDQAII TLRVRSHLA L EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GKHHHHHH .

Precautions

BSG Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P35613)