

BSA

Bovine Serum Albumin
NTP0012

Product Overview

Name BSA

Description

Bovine Serum Albumin

Accession (Primary) [P02769](#)

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 N and 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.

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 GVVLEKDALP GQKTEFKVDS DDQWGEYSCV
FLPEPMGTAN IQLHGPPRVK AVKSSEHINE GETAMLVCKS ESVPPVTDWA WYKITDSEDK ALMNGSESFR

FVSSSQGRSE LHLENLNMEA DPGQYRCNGT SSKGSDQAI TLRVRSHLA L EPKSCDKTHT CPPCPAPELL
GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV
LTVLHQDWLN GKEYKCKVSN KALPAIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS
DIAVEWESNG QPENNYKTTT PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTKSLSLSP
GKHHHHHH .

Precautions

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

Target Information: ([P02769](#))