

Product Information

MemDX™ Membrane Protein Human BSG (Basigin (Ok blood group)) Expressed in NS0 for Antibody Discovery, Partial (25-205aa)

Cat. No.: **MPX0076K**

This product is for research use only and is not intended for diagnostic use.

This product is a 47.4 kDa Human BSG membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

BSG

Protein Length

Partial (25-205aa)

Protein Class

Receptor

Molecular Weight

47.4 kDa

TMD

1

Sequence

FVQAPLSQQRWVGGSVELHCEAVGSP
VPEIQWWFEGQGPNDTCSQLWDGARLDRVHIHATYHQHAASTISIDTLVE
EDTGTYECRASNDPDRNHLTRAPRVKWWRAQAVVLVLEPGTVFTTVEDLG
SKILLTCSLNDSEVTGHRWLKGGVVLKEDALPGQKTEFKVDSDDQWGE
YSCVF

Product Description

Expression Systems

NS0

Tag

hIgG1 Fc and 6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

BSG

Full Name

Basigin (Ok blood group)

Introduction

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.

Alternative Names

OK; 5F7; TCSF; CD147; EMPRIN; HAb18G; EMMPRIN; SLC7A11; basigin; OK blood group antigen; collagenase stimulatory factor; extracellular matrix metalloproteinase inducer; hepatoma-associated antigen; leukocyte activation antigen M6; tumor cell-derived collagenase stimulatory factor; BSG; Basigin (Ok blood group)

Gene ID

[682](#)

UniProt ID

[P35613](#)