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Cre/**ative Biolabs** ®

Product Information

MemDX™ Membrane Protein Human BST1 (Bone marrow stromal cell antigen 1) for Antibody Discovery

Cat. No.: **MP0301J**
This product is for research use only and is not intended for diagnostic use.

This product is a 35.5 kDa Human BST1 membrane protein expressed in HEK293T. 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
BST1

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
35.5 kDa

Sequence
MAAQGCAASRLLQLLLQLLLLLLLLAAGGARARWRGEGTSAHLRDIFLGRCAEYRALLSPEQRNKNCTAI
WEAFKVALDKDPCSVLPSDYDLFINLSRHSIPRDKSLFWENSHLLVNSFADNTRRFMPLSDVLYGRVADF
LSWCRQKNDSGLDYQSCPTSEDCENNPVDSFWKRASIQYSKDSSGVIHVMLNGSEPTGAYPIKGFFADYE
IPNLQKEKITRIEIWVMHEIGGPNVESCGEGSMKVLEKRLKDMGFQYSCINDYRPVKLLQCVDHSTHPDC
ALKSAAAATQRKAPSLYTEQRAGLIIPLFLVLASRTQL

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

BST1

Full Name

Bone marrow stromal cell antigen 1

Introduction

Bone marrow stromal cell antigen-1 is a stromal cell line-derived glycosylphosphatidylinositol-anchored molecule that facilitates pre-B-cell growth. The deduced amino acid sequence exhibits 33% similarity with CD38. BST1 expression is enhanced in bone marrow stromal cell lines derived from patients with rheumatoid arthritis. The polyclonal B-cell abnormalities in rheumatoid arthritis may be, at least in part, attributed to BST1 overexpression in the stromal cell population.

Alternative Names

CD157; ADP-ribosyl cyclase 2; NAD(+) nucleosidase; bone marrow stromal antigen 1; cADPr hydrolase 2; cyclic ADP-ribose hydrolase 2; bone marrow stromal cell antigen 1 variant 2

Gene ID

683

UniProt ID

Q10588