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32-6317: BST1 Human

Alternative Name :	Bone Marrow Stromal Cell Antigen 1, ADP-Ribosyl Cyclase 2, Bone Marrow Stromal Antigen 1, Cyclic ADP-Ribose Hydrolase 2, NAD(+) Nucleosidase, CADPr Hydrolase 2, ADP-Ribosyl Cyclase/Cyclic ADP-Ribose Hydrolase 2, CD157 Antigen, EC 3.2.2.6, CD157, BST-1, ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2, ADP-ribosyl cyclase 2, Bone marrow stromal antigen 1, Cyclic ADP-ribose hydrolase 2, cADPr hydrolase 2.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
BST1 (Bone Marrow Stromal Cell Antigen 1), is a GPI (glycosylphosphatidylinositol) anchored membrane protein which is part of the CD38 family. BST1 was initially recognized as a bone marrow stromal cell molecule. BST1 is an ectoenzyme sharing more than a few features with ADP-ribosyl cyclase CD38. BST1 together with CD38, exhibit both DP-ribosyl cyclase and cyclinc ADP ribose hydrolase activities. BST1 participates in rheumatoid arthritis due to its enhanced expression in RA-derived bone marrow stromal cell lines. Moreover, BST1 is expressed by cells of the myeloid lineage and could perform as a receptor with a signal transduction capability.
BST1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 267 amino acids (33-293a.a.) and having a molecular mass of 30.5kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).BST1 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	BST1 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
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 :	RWRGEGTSAH LRDIFLGRCA EYRALLSPEQ RNKNCTAIWE AFKVALDKDP CSVLPSDYDL FINLSRHSIP RDKSLFWENS HLLVNSFADN TRRFMPLSDV LYGRVADFLS WCRQKNDSGL DYQSCPTSED CENNPVDSFW KRASIQYSKD SSGVIHVMLN GSEPTGAYPI KGFFADYEIP NLQKEKITRI EIWVMHEIGG PNVESCGEGS MKVLEKRLKD MGFQYSCIND YRPVKLLQCV DHSTHPDCAL KSAAAATQRK AHHHHHH.

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