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Datasheet for ABIN5855163
BST1 Protein (AA 33-293) (His tag)

Overview

Quantity:	50 µg
Target:	BST1
Protein Characteristics:	AA 33-293
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BST1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	RWRGEGTSAH LRDIFLGRCA EYRALLSPEQ RNKNCTAIWE AFKVALDKDP CSVLPDSDYDL FINLSRHSIP RDKSLFWENS HLLVNSFADN TRRFMPLSDV LYGRVADFLS WCRQKND SGL DYQSCPTSED CENNPVDSFW KRASIQYSKD SSGVIHVMLN GSEPTGAYPI KGFFADYEIP NLQKEKITRI EIWVMHEIGG PNVE SCGEGS MKVLEKRLKD MGFQYSCIND YRPVKLLQCV DHSTHPDCAL KSAAAATQRK AHHHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 0.1 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	BST1
Alternative Name:	BST1 (BST1 Products)

Target Details

Background: BST1, also known as ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2, is a glycosylphosphatidyl inositol (GPI) anchored membrane protein that belongs to the CD38 family. It was originally identified as a bone marrow stromal cell molecule. This protein is an ectoenzyme sharing several characteristics with ADP-ribosyl cyclase CD38. Along with CD38, it exhibits both DP-ribosyl cyclase and cyclinc ADP ribose hydrolase activities. It may play a role in rheumatoid arthritis (RA) due to its enhanced expression in RA-derived bone marrow stromal cell lines. Also, it is expressed by cells of the myeloid lineage and could act as a receptor with signal transduction capability. Recombinant human BST1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 30.5kDa (267aa) 28-40kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_004325](#)

UniProt: [Q10588](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.