

Recombinant Human BST1 Protein, His-tagged

Cat. No. BST1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BST1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	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.
Form	Liquid
Molecular Mass	30.5 kDa
N-terminal Sequence Analysis	Arg 33
Endotoxin	< 0.1 EU per 1µg of protein (determined by LAL method)

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Purity	> 95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Warning	For research use only. This product is not intended or approved for human, diagnostics or veterin
AA Sequence	RWRGEGTSAHLRDIFLGRCAEYRALLSPEQRNKNCTAIWEAFKVALDKDPCSVLPS DYDLFINLSRHSIPRDKSLFWENSHLLVNSFADNTRRFMPLSDVLYGRVADFLSWCR QKNDSGLDYQSCPTSEDCENNPVDSFWKRASIYQSKDSSGVIVMLNGSEPTGAY PIKGFFADYEIPNLQKEKITRIEIVWMHEIGGPNVESCGEKSMKVLEKRLKDMGFQYS CINDYRPVKLLQCVDHSTHPDCALKSAAAATQRKAHHHHHH

GENE INFORMATION

Gene Name	BST1 bone marrow stromal cell antigen 1 [Homo sapiens (human)]
Official Symbol	BST1
Synonyms	BST1; bone marrow stromal cell antigen 1; CD157; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2; ADP-ribosyl cyclase 2; NAD(+) nucleosidase; bone marrow stromal antigen 1; bone marrow stromal cell antigen 1 variant 2; cADPr hydrolase 2; cyclic ADP-ribose hydrolase 2; EC 3.2.2.6
Gene ID	683

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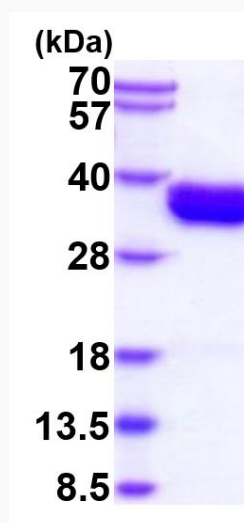
mRNA Refseq [NM_004334](#)

Protein Refseq [NP_004325](#)

MIM [600387](#)

UniProt ID [Q10588](#)

SDS-PAGE



15% SDS-PAGE (3 µg)

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