

Product datasheet for PH304151

Bone marrow stromal cell antigen 1 (BST1) (NM_004334) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BST1 MS Standard C13 and N15-labeled recombinant protein (NP_004325)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204151
Predicted MW:	35.7 kDa
Protein Sequence:	>RC204151 protein sequence Red=Cloning site Green=Tags(s) MAAQGCAASRLQLLLQLLLLLLLLAAGGARARWRGEGTSAHLRDI FLGRCAEYRALLSPEQRNKNCTAI WEAFKVALDKDPCSVLP SDYDLFINLSRHSIPRDKSLFWENSHLLVNSFADNTRRFMPLSDVLYGRVADF LSWCRQKND SGLDYQSCPTSEDCENNPVDSFWKRASIQYKSDSSGVIHVMLNGSEPTGAYPIKGFADYE IPNLQKEKITRIEIWVMHEIGGPNVESC GEGSMKVLEKRLKDMGFQYSCINDYRPVKLLQCVDHSTHPDC ALKSAAAATQRKAPSLYTEQRAGLIIPFLV LASRTQL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004325</u>
RefSeq Size:	1497
RefSeq ORF:	954
Synonyms:	CD157
Locus ID:	683



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UniProt ID: [Q10588](#)

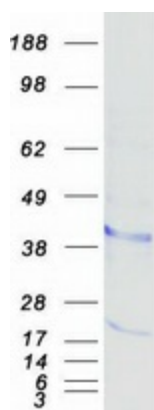
Cytogenetics: 4p15.32

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Transmembrane

Protein Pathways: Calcium signaling pathway, Metabolic pathways, Nicotinate and nicotinamide metabolism

Product images:



Coomassie blue staining of purified BST1 protein (Cat# [TP304151]). The protein was produced from HEK293T cells transfected with BST1 cDNA clone (Cat# [RC204151]) using MegaTran 2.0 (Cat# [TT210002]).