

Active Recombinant Human BST2 Protein, Fc tagged

Cat. No. BST2-18H Lot. No. (See product label)

SPECIFICATION

Product Overview The recombinant human CD317-Fc is expressed as a 349-amino acid protein consisting of Ser50-Ser161 region of CD317 and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.

Species Human

Source HEK293

ProteinLength 50-161 aa

Description Bone marrow stromal cells are involved in the growth and development of B-cells. The specific function of the protein encoded by the bone marrow stromal cell antigen 2 is undetermined; however, this protein may play a role in pre-B-cell growth and in rheumatoid arthritis.

AASequence

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SEACRDGLRAVMECRNVTHLLQQELTEAQKGFQDVEAQAATCNHTVMALMASLDA
EKAQGQKKVEELEGEITLNLHKLQDASAEVERLRRENQVLSVRIADKKYYPSSQDSS
TTENLYFQGSGTHTCPPELGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSD
HEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCK
VSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNNH
YTQKSLSLSPGK
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Molecular Mass 39.1 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Bio-activity	Binds to its ligand human ILT7 protein and blocks its signaling activity.
Calculated PI	5.97
Calculated extinction coefficients (M-1 cm-1, at 280nm)	40380
Endotoxin	< 0.1 EU/μg of purified recombinant protein determined by the LAL method
Purity	>95% judged by SDS-PAGE under reducing condition
Storage Buffer	Sterile PBS pH7.4 (carrier & preservative free).
Concentration	0.5 mg/mL

GENE INFORMATION

Gene Name	BST2 bone marrow stromal cell antigen 2 [Homo sapiens (human)]
Official Symbol	BST2
Synonyms	BST2; BST-2; Tetherin; CD317; bone marrow stromal cell antigen 2; HM1.24; bone marrow stromal antigen 2; BST-2; HM1.24 antigen; NPC-A-7; antiviral factor tetherin
Gene ID	684
mRNA Refseq	NM_004335
Protein Refseq	NP_004326
MIM	600534

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UniProt ID

Q10589

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