

## HUMAN BST1 PROTEIN, HFC TAG

**Cat.#:** 11436

**Product Name:** Human BST1 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD157

**Target:** BST1

**UNIPROT ID:** Q10588

**Description:** Recombinant Human BST1 with C-terminal human Fc tag

**Background:** 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]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 56.1 kDa after removal of the signal peptide. The apparent molecular mass of BST1-hFc is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** BST1(Gly29-Lys292) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

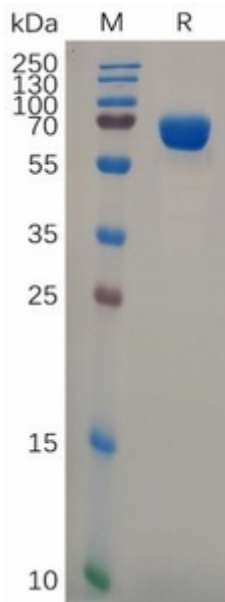


Figure 1. Human BST1 Protein, hFc Tag on SDS-PAGE under reducing condition.