



Recombinant Protein Technical Manual  
Recombinant Human Tetherin/BST2 Protein (Fc Tag)  
RPES0108

Product Data:

**Product SKU:** RPES0108

**Size:** 20µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** Q10589

Protein Information:

**Molecular Mass:** 41 kDa

**AP Molecular Mass:** 51 kDa

**Tag:** N-Fc

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Bone Marrow Stromal Antigen 2; BST-2; HM1.24 Antigen; Tetherin; CD317; BST2

## Immunogen Information:

**Sequence:** Asn49-Ser160

## Background:

CLM-9, also known as TREM4, is a receptor which belongs to the TREM family. The TREM family of receptors regulates the activity of various cell types of the immune system including neutrophils, monocyte/macrophages, microglia, and dendritic cells. CLM-9 may mediate L-selectin-dependent lymphocyte rollings. It binds SELL in a calcium dependent manner. CLM-9 also binds lymphocyte which suggests that it functions in lymphocyte adhesion. The major CLM-9 transcript is expressed highly in human heart, skeletal muscle, and placenta. The mouse protein has been shown to be expressed in capillary endothelial cells. Human CLM-9 mediates the uptake of human IgA2 and mouse IgM.