

Human BST2/Tetherin, Tag Free Protein

HA211225



Product name:	Human BST2/Tetherin, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human BST2/Tetherin protein (Q10589-1) (Asn 49-Ser 160) was expressed with tag free.

Background: Tetherin, also known as bone marrow stromal antigen 2, is a lipid raft associated protein that in humans is encoded by the BST2 gene. In addition, tetherin has been designated as CD317 (cluster of differentiation 317). This protein is constitutively expressed in mature B cells, plasma cells and plasmacytoid dendritic cells, and in many other cells, it is only expressed as a response to stimuli from IFN pathway. Tetherin is part of IFN-dependent antiviral response pathway. When the presence of virus and viral components is detected by recognition molecules such as (RIG-I), a cascades of interactions happen between signaling molecules, eventually the signal reaches the nucleus to upregulate the expression of interferon-stimulated genes (ISGs), this in turn activates IFN- α pathway to send the signal to neighboring cells, which causes upregulation in the expression of other ISGs and many viral restriction factors, such as tetherin.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per μg by the LAL method.

Fragment region: BST2/Tetherin (49-160)

Source: HEK293

Accession: Q10589-1

Predicted molecular mass: 13.3 kD

Formulation: Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 $\mu\text{g}/\text{ml}$ in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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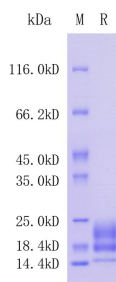


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".
