For Research Use Only

Recombinant Mouse BST2 protein (rFc Tag)

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Catalog Number: Eg2669

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse BST2 protein Thr52-Ser152 (Accession# Q8R2Q8) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
69550

Accession:
Q8R2Q8

Predicted Molecular Mass:
37.0 kDa

SDS-PAGE:
40-50 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

BST2 protein, also known as CD317, is a membrane protein involved in various biological processes. It plays a crucial role in restricting viral release, particularly for enveloped viruses like HIV-1. Additionally, BST2 is implicated in immune regulation, being involved in the function of plasmacytoid dendritic cells. In cancer biology, BST2 expression is associated with tumor progression and metastasis, making it a potential therapeutic target. Its involvement in multiple pathways highlights its significance in virology, immunology, and oncology.

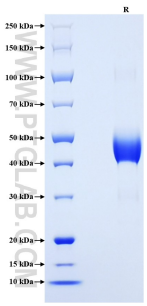
References

1. Mahauad-Fernandez, Wadie D, and Chioma M Okeoma. Immunity, inflammation and disease vol. 4,1 (2015): 4-23.
2. Kong, Ning et al. Autophagy vol. 16,10 (2020): 1737-1752.
3. Zhao, Yifei et al. Frontiers in cellular and infection microbiology vol. 12 (2022): 979091.
4. Zhao, Yifei et al. Journal of virology vol. 96,2 (2022): e0161021.
5.Yu, Honglian et al. Oncology reports vol. 51,3 (2024): 45.

Synonyms

Bone marrow stromal antigen 2, BST-2, CD317, HM1.24 antigen

Selected Validation Data



Purity of Recombinant Mouse BST2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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