For Research Use Only

Recombinant Human HVEM/TNFRSF14 protein (His Tag)

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Catalog Number: Eg1275

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human HVEM protein Leu39-Val202 (Accession# Q92956) with a His tag at the C-terminus.

GeneID:
8764

Accession:
Q92956

Predicted Molecular Mass:
18.2 kDa

SDS-PAGE:
24-37 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

TNFSF14 is a cytokine that plays a crucial role in T cell activation and the generation of cytotoxic T cells. It is also involved in the promotion of tumor metastasis and has potential applications in immunotherapy. Tnfsf14 is a member of the tumor necrosis factor (TNF) ligand family. It is a ligand for TNFRSF14, which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. It has been shown to stimulate the proliferation of T cells and trigger apoptosis of various tumor cells Mouse models have been used to study the function of Tnfsf14 in various disease states, and its human ortholog TNFSF14 is a promising candidate for the development of therapeutic strategies for cancer and autoimmune diseases.

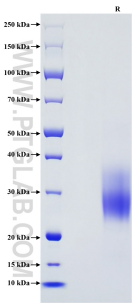
References

1.Zhang N, Liu X, et al. (2023) Mol Ther. 31(9):2575-2590.
2.Wu Y, Zhan S, Chen L, et al. (2023) J Transl Med. 21(1):544.
3.Oranger A, Colaianni G, et al. (2024)Int J Mol Sci. 25(2):716.
4.Shi JW, Lai ZZ, et al. (2024) EMBO J. 43(21):5018-5036.

Synonyms

TNFRSF14, ATAR, CD270, Herpes virus entry mediator A, Herpesvirus entry mediator A

Selected Validation Data



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