

Recombinant Mouse DPPIV/CD26 protein (rFc Tag)

Catalog Number: Eg1384

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse DPPIV/CD26 protein Ser29-His760 (Accession# P28843) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

13482

Accession:

P28843

Predicted Molecular Mass:

110.8 kDa

SDS-PAGE:**Formulation:**

Lyophilized from sterile 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°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C 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

CD26, also known as DPP4 (dipeptidyl peptidase-4), is a 110 kDa type II cell-surface glycoprotein widely expressed on T cells, activated B cells, activated NK cells and myeloid cells as well as on epithelial cells, fibroblasts, mesothelium, and endothelial cells of a variety of tissues. It has ecto-enzyme activity in its extracellular domain and cleaves amino-terminal dipeptides with either L-proline or L-alanine at the penultimate position. CD26 plays roles in diverse biological processes such as immunoregulation, glucose homeostasis, and tumorigenesis. In addition to the 110 kDa monomeric form, a 290 kDa active dimeric form and a 60 kDa fragment of CD26 have also been reported.

References

1. Pan, Kelsey et al. Cureus vol. 13,2 (2021) e13495.
2. Klemann, C et al. Clinical and experimental immunology vol. 185,1 (2016): 1-21.
3. Morimoto, C, and S F Schlossman. Immunological reviews vol. 161 (1998): 55-70.
4. Bermpohl, F et al. FEBS letters vol. 428,3 (1998): 152-6.
5. Iwaki-Egawa, S et al. Biological chemistry Hoppe-Seyler vol. 374,10 (1993): 973-5.

Synonyms

Selected Validation Data

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.