

For Research Use Only

Recombinant Mouse DPP4/CD26 protein (His Tag)



Catalog Number: Eg1309

Basic Information

Species:
Mouse

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 Mouse DPP4 protein Ser29-His760 (Accession# Accession P28843) with a His tag at the C-terminus.

GeneID:

13482

Accession:

P28843

Predicted Molecular Mass:

85.6 kDa

SDS-PAGE:

85-110 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°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

Dipeptidyl peptidase 4 (DPP4, also known as CD26) is a serine exopeptidase that cleaves X-proline dipeptides from the N terminus of polypeptides. It is a type II membrane protein consisting of a short cytoplasmic tail, a transmembrane domain, and a large extracellular domain comprised of a flexible stalk, glycosylation-rich region, cysteine-rich region and catalytic region. DPP4 is widely expressed on T cells, activated B cells, activated NK cells and myeloid cells as well as on epithelial, endothelial cells of a variety of tissues. A soluble form of DPP4 lacking the intracellular part and the transmembrane region is found in body fluids. Altered levels of serum soluble DPP4 have been reported in many diseases including inflammatory and infectious diseases, and tumors.

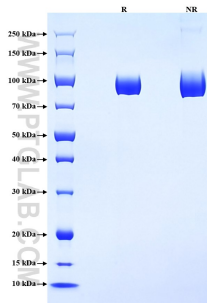
References

1. Anne-Marie Lambeir. et al. (2003). Crit Rev Clin Lab Sci. 40(3):209-94.
2. Oscar J Cordero. et al. (2009). Cancer Immunol Immunother. 58(11):1723-47.
3. C Klemann. et al. (2016). Clin Exp Immunol. 185(1):1-21.

Synonyms

CD26, Dipeptidyl peptidase 4, Dipeptidyl peptidase 4 membrane form, Dipeptidyl peptidase 4 soluble form, Dipeptidyl peptidase IV

Selected Validation Data



Purity of Recombinant Mouse DPP4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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

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