

Human CellExp DPPIV/CD26, human recombinant protein (untagged)
DPP4, DPP-4, ADABP, ADCP2, ADCP-2, CD26, CD-26, DPPIV, DPPIV, TP103, TP-103
Catalog # PBV11057r

Specification

Human CellExp DPPIV/CD26, human recombinant protein (untagged) - Product info

Primary Accession
Calculated MW

[P27487](#)

This protein with two amino acids (Gly-Pro) at the N- terminus has a calculated MW of 85.4 kDa expressed. Protein migrates as 95 kDa in reduced SDS-PAGE resulting from glycosylation. KDa

Human CellExp DPPIV/CD26, human recombinant protein (untagged) - Additional Info

Gene ID
Gene Symbol

1803
DPP4

Other Names

DPP4, DPP-4, ADABP, ADCP2, ADCP-2, CD26, CD-26, DPPIV, DPPIV, TP103, TP-103

Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Pro-7-amido-4-methylcoumarin (GP-AMC). The specific activity is > 5500 pmoles /min / µg.

Target/Specificity
DPPIV/CD26

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp DPPIV/CD26, human recombinant protein (untagged) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp DPPIV/CD26, human recombinant protein (untagged) - Images

Human CellExp DPPIV/CD26, human recombinant protein (untagged) - Background

Dipeptidyl peptidase-IV (DPPIV), also known as adenosine deaminase complexing protein 2, DPPIV or CD26 is antigenic enzyme expressed on the surface of most cell types and is associated with immune regulation, signal transduction and apoptosis. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. The substrates of DPPIV are proline (or alanine)-containing peptides and include growth factors, chemokines, neuropeptides, and vasoactive peptides. DPPIV plays a major role in glucose metabolism. It is responsible for the degradation of incretins such as GLP-1. DPPIV plays an important role in tumor biology, and is useful as a marker for various cancers, with its levels either on the cell surface or in the serum increased in some neoplasms and decreased in others. DPPIV also binds the enzyme adenosine deaminase specifically and with high affinity. The significance of this interaction has yet to be established.

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