

# Recombinant Human DPP4/DPPIV/CD26 Protein (Fc Tag)



Catalog Number:PKSH033696

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

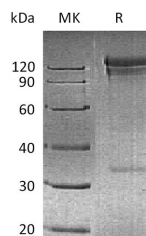
## Description

<b>Synonyms</b>	Dipeptidyl peptidase 4;ADABP;Adenosine deaminase complexing protein 2;ADCP-2;Dipeptidyl peptidase IV;DPP IV;T-cell activation antigen CD26
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Asn29-Pro766
<b>Accession</b>	P27487
<b>Calculated Molecular Weight</b>	111.7 kDa
<b>Observed molecular weight</b>	105-130 kDa
<b>Tag</b>	N-Fc

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of PBS, pH7.4.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

CD26 is a signal-anchor for type II membrane protein that belongs to the peptidase S9B family. CD26 is expressed specifically in lymphatic vessels but not in blood vessels in the skin; small intestine; esophagus; ovary; breast and prostate glands. It acts as a positive regulator of T-cell coactivation; by binding at least ADA; CAV1; IGF2R; and PTPRC. It's binding to CAV1 and CARD11 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Its interaction with ADA also regulates lymphocyte-epithelial cell adhesion. In association with FAP is involved in the pericellular proteolysis of the extracellular matrix (ECM); the migration and invasion of endothelial cells into the ECM. It may be involved in the promotion of lymphatic endothelial cells adhesion; migration and tube formation. When overexpressed; it enhanced cell proliferation; a process inhibited by GPC3. It acts also as a serine exopeptidase with a dipeptidyl peptidase activity that regulates various physiological processes by cleaving peptides in the circulation; including many chemokines; mitogenic growth factors; neuropeptides and peptide hormones.

## For Research Use Only

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