

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

Catalog Number: PKSH033696

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

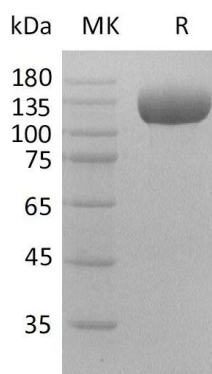
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human DPP4;DPPIV;CD26 protein Asn29-Pro766, with an N-terminal Fc
<b>Calculated MW</b>	111.7 kDa
<b>Observed MW</b>	105-130 kDa
<b>Accession</b>	P27487
<b>Bio-activity</b>	Immobilized MERS-CoV S-trimer Protein (R751S)-His(PKSV030287) at 5µg/ml (100 µl/well) can bind Human CD26-Fc(PKSH033696). The ED <sub>50</sub> of Human CD26-Fc(PKSH033696) is 27.16 ng/ml.

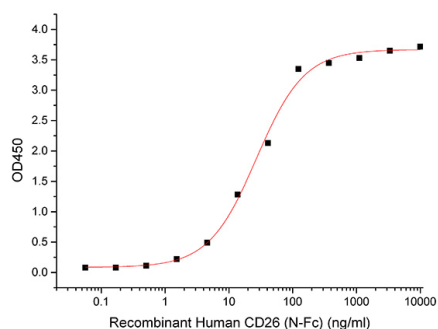
### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<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.

### Data



> 95 % as determined by reducing SDS-PAGE.



Immobilized MERS-CoV S-trimer Protein (R751S)-His(PKSV030287) at 5µg/ml (100 µl/well) can bind Human CD26-Fc(PKSH033696). The ED<sub>50</sub> of Human CD26-Fc(PKSH033696) is 27.16 ng/ml.

### Background

#### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

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. Its 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

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017