

# Biotinylated Human DPPIV/CD26 Protein

Cat. No. DPV-HM426B



## Description

<b>Source</b>	Recombinant Biotinylated Human DPPIV/CD26 Protein is expressed from HEK293 with His tag and Avi tag at the N-terminus.
	It contains Asn29-Pro766.
<b>Accession</b>	P27487
<b>Molecular Weight</b>	The protein has a predicted MW of 88.27 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 90% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

## Formulation and Storage

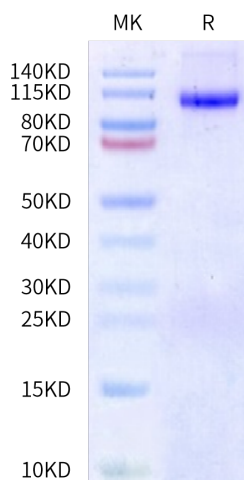
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

CD26/dipeptidyl peptidase (DPP)IV is a membrane-bound protein found in many cell types of the body, and a soluble form is present in body fluids. There is longstanding evidence that various primary tumors and also metastases express DPPIV/CD26 to a variable extent.

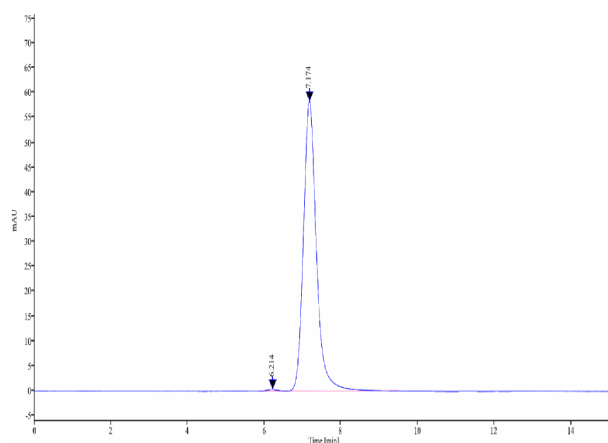
## Assay Data

### Bis-Tris PAGE



Biotinylated Human DPPIV on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

### SEC-HPLC



The purity of Biotinylated Human DPPIV is greater than 95% as determined by SEC-HPLC.

Biotinylated Human DPPIV/CD26 Protein

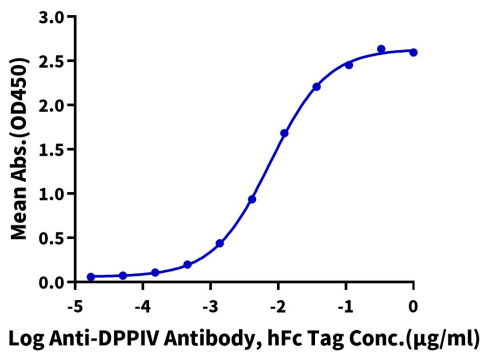
Cat. No.    DPV-HM426B



Assay Data

ELISA Data

**Biotinylated Human DPPIV, His Avi Tag ELISA**  
0.05µg Biotinylated Human DPPIV, His Avi Tag Per Well



Immobilized Biotinylated Human DPPIV, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-DPPIV Antibody, hFc Tag with the EC50 of 7.6ng/ml determined by ELISA.

Bioactivity Data

Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Pro-7-amido-4-methylcoumarin (GP-AMC). The specific activity is >8500 pmol/min/µg.