

Datasheet for ABIN7092742
DPP4 Protein (AA 34-766) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	DPP4
Protein Characteristics:	AA 34-766
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPP4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD26 with C-terminal 6xHis tag
Specificity:	CD26 (Asp34-Pro766) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	DPP4
Alternative Name:	CD26 (DPP4 Products)
Background:	The DPP4 gene encodes dipeptidyl peptidase 4, which is identical to adenosine deaminase

Target Details

complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic type II transmembrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. Dipeptidyl peptidase 4 is highly involved in glucose and insulin metabolism, as well as in immune regulation. This protein was shown to be a functional receptor for Middle East respiratory syndrome coronavirus (MERS-CoV), and protein modeling suggests that it may play a similar role with SARS-CoV-2, the virus responsible for COVID-19. [provided by RefSeq, Apr 2020]

Molecular Weight: predicted molecular mass of 85.7 kDa after removal of the signal peptide. The apparent molecular mass of CD26-His is 35-55 kDa due to glycosylation.

UniProt: [P27487](#)

Pathways: [Peptide Hormone Metabolism, Regulation of Leukocyte Mediated Immunity](#)

Application Details

Restrictions: For Research Use only

Handling

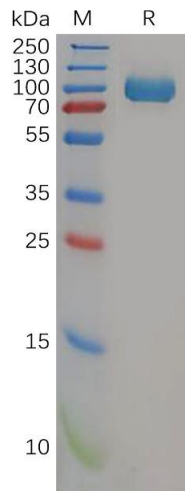
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human CD26 Protein, His Tag on SDS-PAGE under reducing condition.