

Active Recombinant Human DPP4 Protein, His-tagged

Cat. No. DPP4-608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DPP4 (29-766) Protein was expressed in CHO cells using a C-terminal His tag.
Species	Human
Source	CHO
ProteinLength	29-766
Description	The DPP4 gene encodes dipeptidyl peptidase 4, which is identical to adenosine deaminase 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.
Bio-activity	Binding ability measured in a functional ELISA. MERS Spike Protein RBD can bind to immobilized DPP4(29-766) protein.
Molecular Mass	~84 kDa
Purity	>90 %

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Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot targets into smaller quantities after centrifugation and store at the recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 µg/µL
Storage Buffer	Recombinant protein stored in 50mM sodium phosphate, pH 7.5, 300mM NaCl, 150mM imidazole.
Shipping	On dry ice.

GENE INFORMATION

Gene Name	DPP4 dipeptidyl peptidase 4 [Homo sapiens (human)]
Official Symbol	DPP4
Synonyms	DPP4; dipeptidyl peptidase 4; CD26; ADABP; ADCP2; DPPIV; TP103; dipeptidyl peptidase 4; ADCP-2; DPP IV; Gly-Pro naphthylamidase; Post-proline dipeptidyl aminopeptidase IV; T-cell activation antigen CD26; Xaa-Pro-dipeptidylaminopeptidase; adenosine deaminase complexing protein 2; dipeptidyl peptidase IV; dipeptidylpeptidase 4; dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2); EC 3.4.14.5
Gene ID	1803
mRNA Refseq	NM_001935
Protein Refseq	NP_001926

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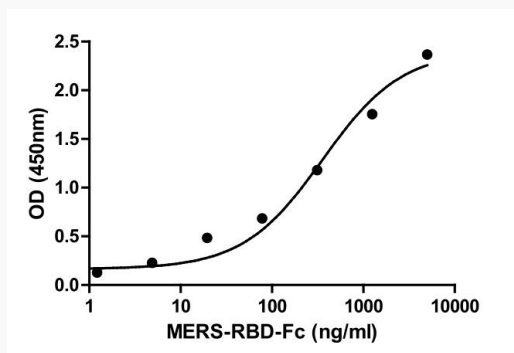
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MIM 102720

UniProt ID P27487

Activity



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