

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	<p>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.</p>
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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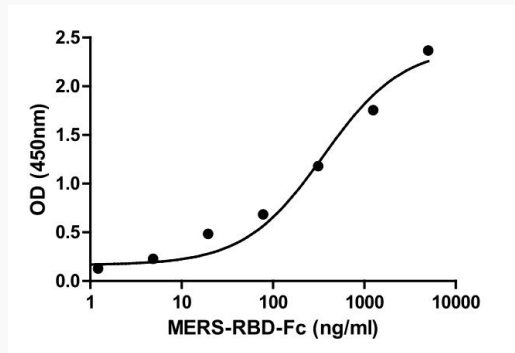
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MIM 102720

UniProt ID P27487

Activity



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