

Active Recombinant Human DPP4 Protein, His tagged

Cat. No. DPP4-27111TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human DPP4 Protein (39-766 aa) with His tag was expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	39-766 aa
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.
Form	Liquid in 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 1mM EDTA, 10% glycerol
Bio-activity	Specific activity is > 200 unit/mg, One unit produces 1.0 μmole of p-Nitroaniline from Gly-Pro- p-Nitroaniline per minute at pH 8.0 at 37 centigrade.
Molecular Mass	85.4 kDa (737aa) confirmed by MALDI-TOF

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Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Enzyme Activity
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)

GENE INFORMATION

Gene Name	DPP4 dipeptidyl-peptidase 4 [Homo sapiens (human)]
Official Symbol	DPP4
Synonyms	DPP4; dipeptidyl-peptidase 4; ADCP2, adenosine deaminase complexing protein 2 , CD26, dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2); dipeptidyl peptidase 4; DPPIV; ADCP-2; DPP IV; dipeptidylpeptidase 4; dipeptidyl peptidase IV; T-cell activation antigen CD26; adenosine deaminase complexing protein 2; dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2); CD26; ADABP; ADCP2; TP103;
Gene ID	1803
mRNA Refseq	NM_001935

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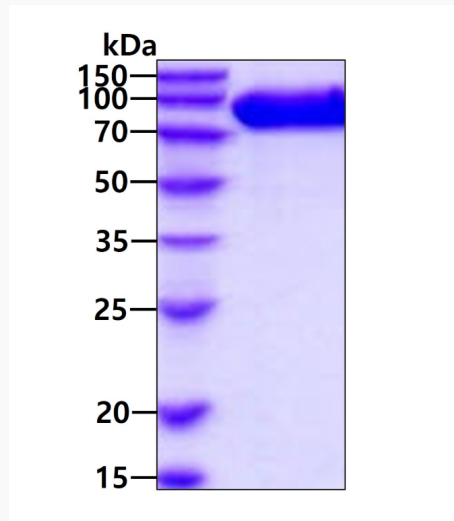
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Protein Refseq NP_001926

MIM 102720

UniProt ID P27487

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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