

## Recombinant Human DPP4 Protein

**Cat. No.** DPP4-793H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human DPP4 protein without tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	766
<b>Description</b>	<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>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	85.4 kDa
<b>AA Sequence</b>	<p>MKTPWKVLLGLLGAAALVTIITVPVLLNKGTDATADSRKTYTLTDYLNKNTYRLKLY  SLRWISDHEYLYKQENNILVFNAEYGNSSVFLENSTFDEFHGHSINDYSISPDGQFILLE  YNYVKQWRHSYASYDIYDLNKRQLITEERIPNNTQWVTWSPVGHKLAYVWNNDIY  VKIEPNLPSYRITWTGKEDIYNGITDWVYEEEEVFSAYSALWWSPNGTFLAYAQFNDDT</p>

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EVPLIEYSFYSDSLQYPKTVRVPYPKAGAVNPTVKFFVVNTDSLSSVTNATSIQITAP  
 ASMLIGDHLYLCDVTWATQERISLQWLRRIQNYSVMDICDYDESSGRWNCLVARQHI  
 EMSTTGWVGRFRPSEPHFTLDGNSFYKISNEEGYRHICYFQIDKKDCTFITKGTWE  
 VIGIEALTSDYLYYISNEYKGMPPGGRNLYKIQLSDYTKVTCLSCELNPERCQYYSVSF  
 SKEAKYYQLRCSGPGLPLYTLHSSVNDKGLRVLEDNSALDKMLQNVQMPSKKLDFII  
 LNETKFWYQMILPPHFDKSKKYPLLLDVYAGPCSQKADTVFRLNWATYLASTENIIVA  
 SFDGRGSGYQGDKIMHAINRRLGTFEVEDQIEAARQFSKMGFVDNKRIAIWGSYG  
 GYVTSMLVLSGSGVFKCGIAVAPVSRWEYYDSVYTERYMGLPTPEDNLDHYRNST  
 VMSRAENFKQVEYLLIHGTADDNVHFQSSAQISKALVDVGVDFQAMWYTDEDHGIA  
 SSTAHQHIYTHMSHFQKCFSLP

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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## GENE INFORMATION

<b>Gene Name</b>	DPP4 dipeptidyl-peptidase 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	DPP4
<b>Synonyms</b>	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;
<b>Gene ID</b>	1803
<b>mRNA Refseq</b>	NM_001935
<b>Protein Refseq</b>	NP_001926
<b>MIM</b>	102720
<b>UniProt ID</b>	P27487

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