

Product Information

MemDX™ Membrane Protein Human DPP4 (Dipeptidyl peptidase 4) Full Length

Cat. No.: **MPC2356K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human DPP4 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

DPP4

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MKTPWKVLLGLLGAAALVTIITVPVLLNKGTDATADSRKTYTLTDYLK
NTYRLKLYSLRWISDHEYLYKQENNILVFNAEYGNSSVFLENSTFDEFGH
SINDYSISPDGQFILLEYNVVKQWRHSYTASYDIYDLNKRQLITEERIPN
NTQWVTWSPVGHKLAYVWNNDIYVKIEPNLPSYRITWTGKEDIYNGITD
WYEEEEVFSAYSALWWSPNGTFLAYAQFNDTEVPLIEYSFYSDSLQYPK
TVRVYPYKAGAVNPTVKFFVNTDSLSSVTNATSIQITAPASMLIGDHYL
CDVTWATQERISLQWLRRIQNYSVMDICDYDESSGRWNCLVARQHIEMST
TGWVGRFRPSEPHTLDGNSFYKISNEEGYRHICYFQIDKKDCTFITKG
TWEVIGIEALTSDYLYYISNEYKGMPGGRNLYKIQLSDYTKVTCLSCEN
PERCQYYSVSFSKEAKYYQLRCSGPGPLPLYTLHSSVNDKGLRVLEDNSAL
DKMLQNVQMPSKKLDFILNETKFWYQMILPPHFDKSKKYPLLLDVYAGP
CSQKADTVFRLNWATYLASTENIIVASFDGRGSGYQGDKIMHAINRRLGT
FEVEDQIEAARQFSKMGFVDNKRIAIWGSYGGYVTSMLVLSGSGSVFKCG
IAVAPVSRWEYYDSVYTERYMGLPTPEDNLDHYRNSTVMSRAENFKQVEY
LLIHGTADDNVHFQSSAQISKALVDVGVDFQAMWYTDEDHGIASSTAHQH
IYTHMSHFQKCFSLP

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

DPP4

Full Name

Dipeptidyl peptidase 4

Introduction

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.

Alternative Names

DPP4; CD26; ADABP; ADCP2; DPPIV; TP103; 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); Dipeptidyl peptidase 4

Gene ID

[1803](#)

UniProt ID

[P27487](#)