

# Product Information

## MemDX™ Membrane Protein Human DPP4 (Dipeptidyl peptidase 4) expressed in Hi-5 insect for Antibody Discovery

Cat. No.: **MP0029Q**

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

This product is a 86.4 kDa Human DPP4 membrane protein expressed in Hi-5 insect. 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

Partial

#### Protein Class

Druggable Genome, Protease, Secreted Protein, Transmembrane

#### Molecular Weight

86.4 kDa

#### TMD

1

#### Sequence

ADPRKTYTLTDYLNKNTYRLKLYSLRWISDHEYLYKQENNILVFNAEYGNSSVFLNSTFDEFGHSINDYSISPDGQFILLEYNVVKQW  
FYKIISNEEGYRHICYFQIDKKDCTFITKGTWEVIGIEALTSDYLYYISNEYKGMPGGRNLYKIQLSDYTKVTCLSCELNPERCQYYSVS  
SGRLVPRGSHHHHHH

### Product Description

#### Expression Systems

Hi-5 insect

#### Tag

His

#### Form

Powder

**Endotoxin**

< 1.0 EU per 1 microgram of protein

**Purification**

Conventional chromatography

**Purity**

>95% by SDS PAGE

**Buffer**

20 mM Tris-HCl pH 8.0, 100 mM NaCl, 1 mM EDTA, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**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**

ADABP; ADCP2; CD26; DPP4; TP103, dipeptidyl peptidase 4; ADCP-2; Gly-Pro naphthylamidase; Post-proline dipeptidyl aminopeptidase IV; T-cell activation antigen CD26; Xaa-Pro-dipeptidyl aminopeptidase; adenosine deaminase complexing protein 2; dipeptidyl peptidase IV; dipeptidyl peptidase IV (CD26, adenosine deaminase complexing protein 2)

**Gene ID**

[1803](#)

**UniProt ID**

[P27487](#)