

Human CellExp™ DPPIV/CD26, Human Recombinant

CATALOG #: 7436-10 10 µg

ALTERNATE NAMES: DPP4, DPP-4, ADABP, ADCP2, ADCP-2, CD26, CD-26, DPPIV, DPPIV, TP103, TP-103

SOURCE: HEK 293 cells (Asn 29 - Pro 766), NP_001926.2

PURITY: ≥ 95% by SDS-PAGE

MOL. WEIGHT: This protein carries no tag. The protein has a calculated MW of 85.5 kDa. The protein migrates as 90-116 kDa under reducing condition due to glycosylation.

ENDOTOXIN LEVEL: <1 EU/µg by LAL method

FORM: Lyophilized

FORMULATION: Lyophilized from 0.20 µm filtered solution of 50 mM HEPES, 150 mM NaCl, pH 7.5 with 10% Trehalose as protectant.

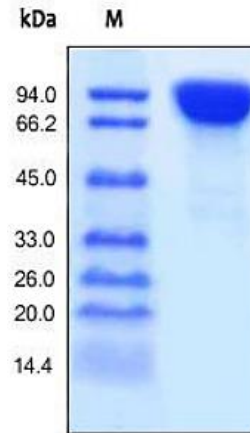
STORAGE CONDITIONS: Upon receipt, store it immediately at -20 °C. After reconstitution, aliquot and store at -20 °C or lower for long term storage. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 600 µg/ml. **DO NOT VORTEX.** Solubilize for 30-60 min at room temperature with occasional gently mixing. For extended storage, it is recommended to store at -20 °C.

DESCRIPTION: Dipeptidyl peptidase-IV (DPPIV), also known as adenosine deaminase complexing protein 2, DPPIV or CD26 is antigenic enzyme expressed on the surface of most cell types and is associated with immune regulation, signal transduction and apoptosis. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. The substrates of DPPIV are proline (or alanine)-containing peptides and include growth factors, chemokines, neuropeptides, and vasoactive peptides. DPPIV plays a major role in glucose metabolism.

It is responsible for the degradation of incretins such as GLP-1. DPPIV plays an important role in tumor biology, and is useful as a marker for various cancers, with its levels either on the cell surface or in the serum increased in some neoplasms and decreased in others. DPPIV also binds the enzyme adenosine deaminase specifically and with high affinity. The significance of this interaction has yet to be established.

BIOLOGICAL ACTIVITY: Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Pro-7-amido-4-methylcoumarin (GP-AMC). The specific activity is > 11000 pmole /min /µg.



Human recombinant, DPPIV/CD26 was run on a SDS-PAGE gel under reducing conditions followed by staining overnight with Coomassie Blue.

RELATED PRODUCTS:

- Human CellExp™ CD223, human recombinant (Cat. No. 7278-10, -50)
- Human CellExp™ CD71, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD33, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)
- Human CellExp™ CD360, human recombinant (Cat. No. 7373-20, -100)
- Human CellExp™ CD244, human recombinant (Cat. No. 7374-10, -50)
- Human CellExp™ CD304, human recombinant (Cat. No. 7375-10)
- Human CellExp™ CD319, human recombinant (Cat. No. 7376-10, -50)
- Human CellExp™ CD306, human recombinant (Cat. No. 7377-10, -50)
- Human CellExp™ CD84, human recombinant (Cat. No. 7378-10, -50)

FOR RESEARCH USE ONLY! Not to be used in humans.

