

DPP4/CD26 Protein, Human, Recombinant (aa 29-766, His)

General Information

Synonyms:	DPPIV;CD26;TP103;ADCP2;dipeptidylpeptidase 4;ADABP
Protein Construction:	Asn29-Pro766
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P27487
Molecular Weight:	90.5 kDa (Predicted); 91-115 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human DPPIV, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-DPPIV Antibody, hFc Tag with the EC50 of 4.9 ng/ml determined by ELISA (QC Test).
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

CD26/dipeptidyl peptidase (DPP)IV is a membrane-bound protein found in many cell types of the body, and a soluble form is present in body fluids. There is longstanding evidence that various primary tumors and also metastases express DPPIV/CD26 to a variable extent.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481