Native Human Dipeptidyl Peptidase IV

Cat. No. DPP4-197H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Human Placenta
Description	Dipeptidyl Peptidase IV is a lymphocyte cell surface antigen which is increased during T-cell activation and is also expressed in other tissues, such as placenta, kidney, etc. It is an atypical serine protease which has been implicated in a variety of biological functions including diabetes, rheumatoid arthritis, T-cell activation, cell-to-cell adhesion, and recently in HIV infection.
Form	Frozen
Molecular Mass	MW: 350,000
Purity	>= 95% by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme which will hydrolyze one umole of H-Gly-Pro-pNA per minute at 25°C, pH 7.8
Usage	For research use or for use in further manufacturing.
Quality Control Test	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

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Stability	>1 year
Storage	<=>
Storage Buffer	2 mM Tris-HCl, pH 8.0

GENE INFORMATION

Gene Name	DPP4 dipeptidyl-peptidase 4 [Homo sapiens]
Official Symbol	DPP4
Synonyms	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;
Gene ID	1803
mRNA Refseq	NM_001935
Protein Refseq	NP_001926
MIM	102720
UniProt ID	P27487
Chromosome Location	2q23-qter
Pathway	Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Metabolism,

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	organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; Regulation of Insulin Secretion, organism-specific biosystem; Synthesis, Secretion, and Inactivation of Glucagon-like Peptide-1 (GLP-1), organism-specific biosystem;
Function	aminopeptidase activity; collagen binding; dipeptidyl-peptidase activity; peptidase activity; peptide binding; protease binding; protein binding; protein homodimerization activity; receptor activity; receptor binding; serine-type endopeptidase activity; serine-type peptidase activity;

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