

Active Native Human DPP4

Cat. No. DPP4-31H Lot. No. (See product label)

SPECIFICATION

Product Overview	Dipeptidyl Peptidase-IV was purified from human placenta cells.
Species	Human
Source	Human Placenta
Form	Each 70ng were lyophilized from 29.1µl containing 2mM Tris-HCl, pH 8.0.
Bio-activity	13U/mg.
Purity	Greater than 95% as determined by SDS-PAGE.
Applications	ImmunoblotsAbsorptionImmunohistochemistry. Dot Blot; Immunohistochemistry
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.
Storage	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

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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, 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](#);

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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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