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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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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