

Recombinant Human DPP4, His-tagged

Cat. No. DPP4-27255TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 29-766 of Human CD26 with C terminal His tag expressed in a Baculovirus infected Sf9 cell expression system, 89 kDa.
Species	Human
ProteinLength	29-766 a.a.
Description	The protein encoded by this gene is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides.
Conjugation	HIS
Tissue specificity	Expressed specifically in lymphatic vessels but not in blood vessels in the skin, small intestine, esophagus, ovary, breast and prostate glands. Not detected in lymphatic vessels in the lung, kidney, uterus, liver and stomach (at protein level). Expressed
Biological activity	Specific Activity: 4630 pmol/min/μg.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the peptidase S9B family. DPPIV subfamily.
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;
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;

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Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;

Function

aminopeptidase activity; collagen binding; dipeptidyl-peptidase activity; peptidase activity; peptide binding;

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