

Recombinant Human Dipeptidyl-peptidase 4, His-tagged

Cat. No. DPP4-752H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DPP IV fused at the N-terminus to a His•Tag sequence was expressed in <i>S. frugiperda</i> insect cells. MW = 160 kDa.
Species	Human
Source	<i>S. frugiperda</i>
Description	The protein encoded by the DPP4 gene is an antigenic enzyme expressed on the surface of most cell types and is associated with immune regulation, signal transduction and apoptosis. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides.
Purity	≥90% by SDS-PAGE.
Form	Liquid. In 20 mM Tris-HCl, 5 mM CaCl ₂ , 1 mM ZnCl ₂ , 0.05% NaN ₃ , pH 8.0. Please refer to vial label for lot-specific concentration.
Specific Activity	≥8 U/mg protein.
Unit Definition	One unit is defined as the amount of enzyme that will hydrolyze 1 μmole H-Gly-Pro-AMC per min at 37°C, pH 8.0.
Toxicity	Standard Handling (MSDS available upon request).
Storage	≤ -70°C. Avoid freeze/thaw. Following initial thaw, aliquot and freeze (-70°C).

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GENE INFORMATION

Gene Name	DPP4 dipeptidyl-peptidase 4 [Homo sapiens]
Synonyms	DPP4; dipeptidyl-peptidase 4; ADABP; ADCP2; CD26; DPPIV; EC 3.4.14.5; TP103; Adenosine deaminase complexing protein 2; CD26 antigen; DPP IV; Dipeptidyl peptidase IV; T-cell activation antigen CD26; dipeptidylpeptidase 4; dipeptidylpeptidase IV; dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2)
Gene ID	1803
mRNA Refseq	NM_001935
Protein Refseq	NP_001926
MIM	102720
UniProt ID	P27487
Chromosome Location	2q24.3
Function	aminopeptidase activity; dipeptidyl-peptidase activity; protein binding; homodimerization activity; serine-type endopeptidase activity

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**Ribbon diagram of
human DPP-4.**

