Active Recombinant Human DPP9 Protein, His-Tagged

Cat. No. DPP9-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Spodoptera frugiperda, Sf 21 (baculovirus)-derived human DPP9 protein Arg2-Leu892 with an N-terminal Met and 6-His tag
Species	Human
Source	Sf21 Cells
ProteinLength	2-892 a.a.
Description	This gene encodes a protein that is a member of the S9B family in clan SC of the serine proteases. The protein has been shown to have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Although the activity of this protein is similar to that of dipeptidyl peptidase 4 (DPP4), it does not appear to be membrane bound. In general, dipeptidyl peptidases appear to be involved in the regulation of the activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. Several transcript variants of this gene have been described but not fully characterized.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Pro-7-amido-4-methylcoumarin (GP-AMC). The specific activity is >750 pmol/min/μg, as measured under the described conditions.
Molecular Mass	101 kDa
N-terminal Sequence	No result obtained

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Analysis	
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 °C as supplied. 3 months, -70 °C under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 μm filtered solution in Tris, NaCl and Glycerol.
Shipping	The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	DPP9 dipeptidyl peptidase 9 [Homo sapiens (human)]
Official Symbol	DPP9
Synonyms	dipeptidyl peptidase 9; Dipeptidyl peptidase IV-related protein 2; dipeptidyl peptidase IV-related protein-2; Dipeptidyl peptidase IX; Dipeptidyl peptidase-like protein 9; dipeptidylpeptidase 9; dipeptidyl-peptidase 9; DKFZp762F117; DP9; DPLP9; DPP IX; DPP9; DPRP2; DPRP-2; EC 3.4.14.5; FLJ16073
Gene ID	91039
mRNA Refseq	NM_001365987.2

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Protein Refseq	NP_001352916.1
MIM	608258
UniProt ID	M0R2A8

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