

Recombinant Human DPP9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DPP9-2427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DPP9 MS Standard C13 and N15-labeled recombinant protein (NP_631898) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	96.4 kDa
AA Sequence	MATTGTPTADRGDAAATDDPAARFQVQKHSWDGLRSIIHGSRKYSGLIVNKAHPDF QFVQKTDESHPHSHRLYYLGMPYGSRENSLLYSEIPKKVRKEALLLSWKQMLDHF QATPHHGVYSREEELLRERKRLGVFGITSYDFHSESGLFLFQASNSLFHCRDGGKN GFMVSPMKPLEIKTQCSGPRMDPKICPADPAFFSFINNNDLWVANIETGEERRLTFC HQGLSNVLDLDPKSAGVATFVIQEEFDRFTGYWWCPTASWEGSEGLKTLRILYEEVD

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ESEVEVIHVPSPALEERKTDSYRYPRTGSKNPKIALKLAEFQTDSQGKIVSTQEKELV
 QPFSSLPKVEYIARAGWTRDGKYAWAMFLDRPQQWLQLVLLPFPALFIPSTENEEQ
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 CHLYKVTAVLKSQGYDWSEPFSPGEDEFKCPIKEEIALTSGEWEVLARHGSKGTDK
 TPLEHHLYVVSYEAAAGEIVRLTTPGFHSCSMSQNFDMFVSHYSSVSTPPCVHVYKL
 SGPDDDDLHKQPRFWASMMEAASCPDPYVPEIFHFHTRSDVRLYGMIIKPHALQP
 GKKHPTVLFVYGGPQVQLVNNSEFKGIKYLRLNTLASLGYAVVVIDGRGSCQRGLRFE
 GALKNQMGQVEIEDQVEGLQFVAEKYGFIDLSRVAIHGWSYGGFLSLMGLIHKPQVF
 KVAIAGAPVTVWMAYDTGYTERYMDVPENNQHGYEAGSVALHVEKLPNEPNRLIL
 HGFLDENVHFFHTNFLVSQIRAGKPYQLQIYPNERHSIRCPESGEHYEVTLLHFLQE
 YLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DPP9 dipeptidyl-peptidase 9 [Homo sapiens (human)]

Official Symbol DPP9

Synonyms DPP9; dipeptidyl-peptidase 9; dipeptidylpeptidase 9; dipeptidyl peptidase 9; DPP IX; dipeptidyl peptidase IX; dipeptidyl peptidase-like protein 9; dipeptidyl peptidase IV-

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related protein 2; dipeptidyl peptidase IV-related protein-2; DP9; DPLP9; DPRP2; DPRP-2; FLJ16073; DKFZp762F117;

Gene ID 91039

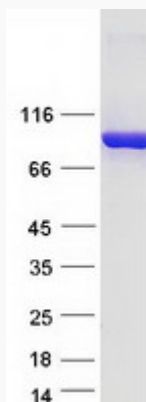
mRNA Refseq NM_139159

Protein Refseq NP_631898

MIM 608258

UniProt ID Q86TI2

SDS-PAGE



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