

Product datasheet for PH324465

DPP9 (NM_139159) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DPP9 MS Standard C13 and N15-labeled recombinant protein (NP_631898)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224465
Predicted MW:	96.4 kDa
Protein Sequence:	>RC224465 representing NM_139159 Red=Cloning site Green=Tags(s)
	MATTGTPTADRGDAAATDDPAARFQVQKHSWDGLRSIIHGSRKYSGLIVNKAPHDFQVQKTDESGPHSH RLYYLGMPYGSRENSLLYSEIPKKVRKEALLLLSWKQMLDHFQATPHHGVSREEELLRERKRLGVFGIT SYDFHSESGFLFQASNSLFHCRDGGKNGFMVSPMKPLEIKTQCSGPRMDPKICPADPAFFSFINNSDLW VANIETGEERRLTFCHQGLSNVLDPPKSAGVATFVIQEEFDRFTGYWWCPTASWEGSEGLKTLRILYEEV DESEVEVIHVSPAL EERKTD SYRYPRTGSKNPKIALKLAEFQTD SQGKIVSTQEKELVQPFSSLPKVE YIARAGWTRDGKYAWAMFLDRPQQWLQLVLLPPALFIPSTENEEQLASARAVPRNVQPVVYVEEVTNVW INVHDI FYPFPQSEGEDEL CFLRANECKTGFCHLYKVTAVLKSQGYD WSEPFSPGEDEFKCPIKEEIALT SGEWEVLARHGSKGKTDTPL EHHLYVVS YEAAGEIVRL TTPGF SHSCSMSQNFDMFVSHYSSVSTPPCVH VYKLSGPD DDPLHKQPRFWASMMEAASCPDYVPEIFHFHTRSDVRLYGM IYKPHALQPGKKHPTVLFV YGGPQVQLVNNSFKGIKYLRLNTLASLGYAVVVIDGRGSCQRGLRFEGALKNQMGQVEIEDQVEGLQFVA EKYGFIDL SRVAIHGWSYGGFLSLMGLIHKPQVFKVAIAGAPVTVMAYDTGYTERYMDVPENNHQGYEA GSVALHVEKLPNEPNRLLILHGFLDENVHFFHTNFLVSQLIRAGKPYQLQIYPNERHSIRCPESEGEHYEV TLLHFLQEYL
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



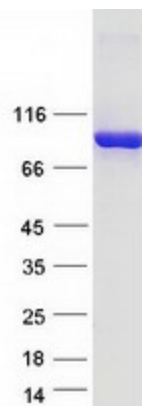
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RefSeq:	NP_631898
RefSeq Size:	4274
RefSeq ORF:	2550
Synonyms:	DP9; DPLP9; DPP IX; DPRP-2; DPRP2
Locus ID:	91039
UniProt ID:	Q86TI2
Cytogenetics:	19p13.3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified DPP9 protein (Cat# [TP324465]). The protein was produced from HEK293T cells transfected with DPP9 cDNA clone (Cat# [RC224465]) using MegaTran 2.0 (Cat# [TT210002]).