

## Product datasheet for **TP324465M**

### DPP9 (NM\_139159) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens dipeptidyl-peptidase 9 (DPP9), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224465 representing NM_139159 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATTGTPTADRGDAAATDDPAARFQVQKHSWDGLRSIIHGSRKYSGLIVNKAPHDFQFVQKTDESGLPHSH  
RLYYLGMPYGSRENSLLYSEIPKKVRKEALLLSWKQMLDHFQATPHHGVSREEELLRERKRLGVFGIT  
SYDFHSEGLFLFQASNSLFHCRDGGKNGFMVSPMKPLEIKTQCSGPRMDPKICPADPAFFSFNNSDLW  
VANIETGEERRLTFCHQGLSNVLDLDDPKSAGVATFVIQEEFDRFTGYWWCPTASWEGSEGLKTLRILYEEV  
DESEVEVIHVSPALEERKTDSYRYPRTGSKNPKIALKLAEFQTDSQGKIVSTQEKELVQPFSSLPKVE  
YIARAGWTRDGKYAWAMFLDRPQQWLQVLVLLPPALFIPSTENEEQRLASARAVPRNVQPYVVVYEEVTNVW  
INVHDIFYPFPQSEGEDELCLFRANECKTGFCHELYKVTAVLKSQGYDWSEPFSPGEDEFKCPKIEEIALT  
SGEWEVLARHGSKGKTKDTPLEHHLYVVSYEAAGEIVRLTTPGFSSHSCSMSQNFDMFVSHYSSVSTPPCVH  
VYKLSGPDPLHKQPRFWASMMEAASCPDPYVPEIFHFHTRSDVRLYGMIIYKPHALQPCKKHPTVLFV  
YGGPQVQLVNNFSFKGIKYLRLNLTASLGYAVVIDGRGSCQRGLRFEGALKNQMGQVEIEDQVEGLQFVA  
EKYGFIDLSRVAIHGWSYGGFLSLMGLIHKPQVFKVAIAGAPVTVWMAYDTGYTERYMDVPENNQHGVEA  
GSVALHVEKLPNEPNRLLILHGFLDENVHFFHTNFLVSQLIRAGKPYQLQIYPNERHSIRCPESEGEHYEV  
TLLHFLQEYL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	96.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_631898](#)

**Locus ID:** 91039

**UniProt ID:** [Q86TI2](#)

**RefSeq Size:** 4274

**Cytogenetics:** 19p13.3

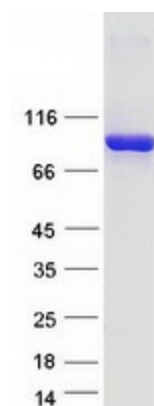
**RefSeq ORF:** 2550

**Synonyms:** DP9; DPLP9; DPP IX; DPRP-2; DPRP2

**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]).