

## Product datasheet for **TP324818L**

### ENPP3 (NM\_005021) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ectonucleotide pyrophosphatase/phosphodiesterase 3 (ENPP3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC224818 representing NM_005021
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MESTLTLATEQPVKKNTLKKYKIACIVLLALLVIMSLGLGLGLRLEKQGSCRKKCFDASFRGLENCR  
CDVACKDRGDCCWDFEDTCVESTRIWMCNKFRFCGETRLEASLCSDDCLQRKDCCADYKSVCGGETSWL  
EENCDAQQSQCEPFDLPPVILFMSMDGFRAEYLYTWDTLKPNINKLKTTCGIHSKYMRAMYPTKTFPNHY  
TIVTGLYPESHGIIDNNMYDVNLNKNFSLSSKEQNNPAWWHGGQPMWLTAMYQGLKAATYFWPGSEVAING  
SFPSIYMPYNGSVPFEERISTLLKWLDPKAERPRFYTMFEEDSSGHAGGPVSARVIKALQVVDHAFG  
MLMEGLKQRNLHNCVNIILLADHGMDQTYCNKMEYMTDYFPRINFFYMEGPAPIRAHNIHDFFSFNS  
EIVRNLSCRKPDQHFQPYLTPDLPKRLHYAKNVRIDKVHLFVDQQLAVRSKSNNTCCGGNHGYNNEFR  
SMEAIFLAHGSPFKEKTEVEPFENIEVYNLMCDLLRIQPAPNNGTHGSLNHLLKVPFYEPHAAEEVSKFS  
VCGFANPLPTESLDCFCPHLQNSTQLEQVNQMLNLTQEEITATVKVNLPFGRPRVLQKNVDHCLLYHREY  
VSGFGKAMRMPMWSSYTPQLGDTSPPTVPDCLRADVRVPPSESQKCSFYLDKNITHGFLYPPASNR  
TSDSQYDALITSNLVPMYEEFRKMWDYFHSVLLIKHATERNGVNVVSGPIFDYNYDGHFDAPDEITKHLA  
NTDVPIPTHYFVWLTSCKNKSHTPENCPGWLDVLPFIIPHRPTNVESCEPKPEALWVEERFTHAHARVR  
DVELLTGLDFYQDKVQPVSEILQLKTYLPTFETTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

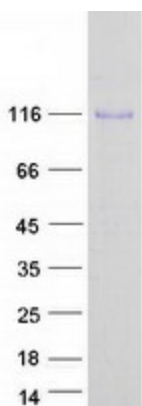
Tag:	C-Myc/DDK
Predicted MW:	99.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005012</a>
<b>Locus ID:</b>	5169
<b>UniProt ID:</b>	<a href="#">O14638</a>
<b>RefSeq Size:</b>	2794
<b>Cytogenetics:</b>	6q23.2
<b>RefSeq ORF:</b>	2625
<b>Synonyms:</b>	B10; CD203c; NPP3; PD-IBETA; PDNP3
<b>Summary:</b>	The protein encoded by this gene belongs to a series of ectoenzymes that are involved in hydrolysis of extracellular nucleotides. These ectoenzymes possess ATPase and ATP pyrophosphatase activities and are type II transmembrane proteins. Expression of the related rat mRNA has been found in a subset of immature glial cells and in the alimentary tract. The corresponding rat protein has been detected in the pancreas, small intestine, colon, and liver. The human mRNA is expressed in glioma cells, prostate, and uterus. Expression of the human protein has been detected in uterus, basophils, and mast cells. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Oct 2015]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Metabolic pathways, Nicotinate and nicotinamide metabolism, Pantothenate and CoA biosynthesis, Purine metabolism, Riboflavin metabolism, Starch and sucrose metabolism

### Product images:



Coomassie blue staining of purified ENPP3 protein (Cat# [TP324818]). The protein was produced from HEK293T cells transfected with ENPP3 cDNA clone (Cat# [RC224818]) using MegaTran 2.0 (Cat# [TT210002]).