

## Product datasheet for TP324818

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ectonucleotide pyrophosphatase/phosphodiesterase 3 (ENPP3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224818 representing NM_005021 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MESTLTLATEQPVKKNTLKKYKIACIVLLALLVIMSLGLGLGLRLEKQGSCRKKCFDASFRGLENCR  
CDVACKDRGDCCWDFEDTCVESTRIWMCNKFRCGETRLEASLCSDDCLQRKDCCADYKSVCGGETSW  
L  
EENCDAQQSQCEPFDLPPVILFMSMDGFRAEYLYTWDTLKPNINKLKTGCIHISKYMRAMYPTKTFPNHY  
TIVTGLYPESHGIIDNNMYDVNLNKNFSLSSKEQNNPAWWHGQPMWLTAMYQGLKAATYFWPGSEVAI  
NG  
SFPSIYMPYNGSVPFEERISTLLKWLDPKAERPRFYTMFEEDSSGHAGGPVSARVIKALQVVDHAFG  
MLMEGLKQRNLHNCVNIILLADHGMDQTYCNKMEYMTDYFPRINFFYMEGPAPRIRAHNIPHDFFSFN  
S  
EEIVRNLSRKPQDHFQPYLTPDLPKRLHYAKNVRIDKVHLFVDQQWLAVRSKSNNTNCGGGNHGYNNEF  
R  
SMEAIFLAHGSPFKEKTEVEPFENIEVYNLMCDLLRIQPAPNNGTHGSLNHLLKVPFYEPHAEVSKFS  
VCGFANPLPTESLDCPHLQNSTQLEQVNQMLNLTQEEITATVKVNLPFGRPRVLQKNVDHCLLYHREY  
VSGFGKAMRMPMWSSYTPQLGDTSPPTVPDCLRADVRVPPSESQKCSFYLDKNITHGFLYPPASNR  
TSDSQYDALITSNLVPMYEEFRKMWDYFHSVLLIKHATERNGVNVVSGPIFDYNYDGHFDAPDEITKHLA  
NTDVPIPTHYFVLTSCKNKSHTPENCPGWLDVLPFIIPHRPTNVESCEPKEALWVEERFTHAHARVR  
DVELLTGLDFYQDKVQPVSEILQLKTYLPTFETTI

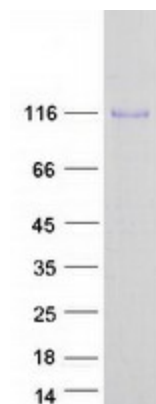
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

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



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<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>	<p>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]</p>
<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]).