

Recombinant Human ENPP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ENPP3-2068H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ENPP3 MS Standard C13 and N15-labeled recombinant protein (NP_005012) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	99.9 kDa
AA Sequence	MESTLTATEQPVKKNTLKKYKIACIVLLALLVIMSLGLGLGLRLKLEKQGSCRKKCF DASFRGLENCRCDVACKDRGDCCWDFEDTCVESTRIWMCNKFRCGETRLEASLCS CSDDCLQRKDCCADYKSVCQGETSWLENCDTAQQSQCEGFDLPPVILFSDMGF RAEYLYTWDTLKPNINKLKTCGIHSKYMRAMYPTKTFPNHYTIVTGLYPESHGIIDNN

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MYDVNLNKNFSLSSKEQNNPAWWHGQPMWLTAMYQGLKAATYFWPGSEVAINGS
FPSIYMPYNGSVPFEERISTLLKWLDLPKAERPRFYTMFYEEPDSGSHAGGPVSARV
IKALQVVDHAFGMLMEGLKQRNLHNCVNIILLADHGMDQTYCNKMEYMTDYFPRINF
FMYEGPAPRIRAHNIPHDFFSFNSEEIVRNLSCKRPDQHFKPYLTPDLKRLHYAK
NVRIDKVHLFVDQQWLAVRSKSNNTNCGGGNHGYNNEFRSMEAIFLAHGSPFKEKTE
VEPFENIEVYNLMCDLLRIQPAPNNGTHGSLNHLLKVPFYEPShAEVSKFSVCGFA
NPLPTESLDCFCPHLQNSTQLEQVNQMLNLTQEEITATVKVNLPGFRPRVLQKNVD
HCLLYHREYVSGFGKAMRMPMWSSYTPQLGDTSPPTVPDCLRADVRVPPSES
QKCSFYLADKNITHGFLYPPASNRTSDSQYDALITSNLVPMYEEFRKMWDYFHSVLL
IKHATERNGVNVVSGPIFDYNYDGHFDAPDEITKHLANTDVIPIHYFVVLTSCKNKS
HTPENCPGWLDVLPFIIPHRPTNVESCPEGKPEALWVEERFTAHIARVRDVELLTGL
DFYQDKVQPVSEILQLKTYLPTFETTITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 ENPP3 ectonucleotide pyrophosphatase/phosphodiesterase 3 [Homo sapiens (human)]

Official Symbol ENPP3

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Synonyms	ENPP3; ectonucleotide pyrophosphatase/phosphodiesterase 3; PDNP3; ectonucleotide pyrophosphatase/phosphodiesterase family member 3; B10; CD203c; gp130RB13 6; PD IBETA; E-NPP 3; gp130RB13-6; phosphodiesterase I beta; phosphodiesterase-I beta; phosphodiesterase I/nucleotide pyrophosphatase 3; dJ914N13.3 (phosphodiesterase I/nucleotide pyrophosphatase 3); dJ1005H11.3 (phosphodiesterase I/nucleotide pyrophosphatase 3); NPP3; PD-IBETA;
Gene ID	5169
mRNA Refseq	NM_005021
Protein Refseq	NP_005012
MIM	602182
UniProt ID	O14638
SDS-PAGE	