

# Recombinant Full Length Human ENPP3 Protein, C-Flag-tagged

**Cat. No.** ENPP3-200HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human ENPP3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</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. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 99.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MESTLTLATEQPVKKNTLK KYKIACIVLLALLVIMSLGLGLGLGLRKLEKQGSCRKKCF<br>DASFRGLENCR CDVACKDRGDCCWDFEDTCVESTRIWMCNKFRCGETRLEASLC<br>SCSDDCLQRKDCCADYKSV CQGETSWL EENCDAQQSQCPGFDLPPVILFSMD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GFRAEYLYTWDTLKPNIKLKTCGIHSKYMRAMYPTKTFPNHY TIVTGLYPESHGIID  
 NNMYDVNLNKNFSLSSKEQNNPAWWHGQPMWLTAMYQGLKAATYFWPGSEVAIN  
 G SFPSIYMPYNGSVPFEEERISTLLKWLDLPKAERPRFYTMFEEDSSGHAGGPVS  
 ARVIKALQVVDHAFG MLMEGLKQRNLHNCVNIILLADHGMDQTYCNKMEYMTDYFP  
 RINFFYMYEGPAPRIRAHNIPHDFFSFNS EEIVRNLSCRKPDQHFKPYLTPDLPKRLH  
 YAKNVRIDKVHLFVDQQWLAVRSKSNNTNCGGGNHGYNNEFR SMEAIFLAHGSPFK  
 EKTEVEPFENIEVYNLMCDLLRIQPAPNNGTHGSLNHLLKVPFYEPSHAEEVSKFS V  
 CGFANPLPTESLDCFCPHLQNSTQLEQVNQMLNLTQEEITATVKVNLFPGRPRVLQK  
 NVDHCLLYHREY VSGFGKAMRMPMWSSYTPQLGDTSPLPPTVPDCLRADVRVP  
 PSESQKCSFYLDKNITHGFLYPPASNR TSDSQYDALITSNLVPMYEEFRKMWDYF  
 HSVLLIKHATERNGVNVVSGPIFDYNYDGHFDAPDEITKHLA NTDVPIPTHYFVVLTS  
 CKNKSHTPENCPGWLDVLPFIIPHRPTNVESCPEGKPEALWVEERFTAHIAVR  
 DVELLTGLDFYQDKVQPVSEILQLKTYLPTFETTITRTRPLEQKLISEEDLAANDILDYK  
 DDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <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>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <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

**Full Length** Full L.

## GENE INFORMATION

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

**Official Symbol** ENPP3

**Synonyms** B10; NPP3; PDNP3; CD203c; PD-IBETA

**Gene ID** 5169

**mRNA Refseq** NM\_005021.5

**Protein Refseq** NP\_005012.2

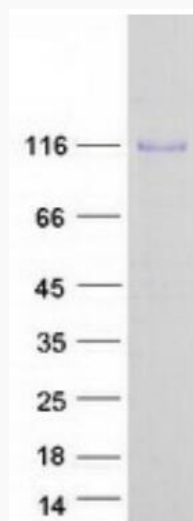
**MIM** 602182

**UniProt ID** O14638

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Coomassie blue staining of purified ENPP3 protein.

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