

Recombinant Human ENPP3 Protein, His-tagged

Cat. No. ENPP3-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENPP3 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Ectonucleotide pyrophosphatase/phosphodiesterase 3 (ENPP3/CD203c/PD-Ibeta) is a type-II transmembrane glycoprotein that contains a large extracellular domain, an α-helical transmembrane segment, and a short cytoplasmic domain containing the N-terminus. ENPP3 has been shown to be overexpressed in colon carcinoma and is thought to play a role in tumor initiation and tumor cell invasiveness. Within the hematopoietic cell compartment, ENPP3 is a cell surface marker of basophil and mast cell lineages. Indeed, ENPP3 is overexpressed on transformed mast cells in patients with systemic mastocytosis. Recently, ENPP3 has been identified as being highly overexpressed in renal cell carcinoma (RCC) and may have potential as a novel therapeutic target for this disease.
Molecular Mass	~110 kDa
AA Sequence	MLLVIMSLGLGLGLRLKLEKQGSCRKKCFDASFRGLENCRCDVACKDRGDCCWD FEDTCVESTRIWMCNKFRCGETRLEASLCSCSDDCLQRKDCCADYKSVCQGETSW LEENCDTAQQSQCPEGFDLPPVILFSMDGFRAEYLYTWDTLMPNINKLKTCGIHSKY MRAMYPTKTFPNHYTIVTGLYPESHGIIDNNMYDVNLNKNFSLSSKEQNNPAWWHG QPMWLTAMYQGLKAATYFWPGSEVAINGSFPSIYMPYNGSVPFEERISTLLKWLDL

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PKAERPRFYTMFYEEPDS SGHAGGPVSARVIKALQVVDHAFGMLMEGLKQRNLHN
CVNIILLADHGM DQTYCNKMEYMTDYFPRINFFYMYEGPAPRIRAHNIPHDFFSFNSE
EIVRNLS CRKPDQHFKPYLTPDL PKRLHYAKNVRIDKVHLFVDQQWLAVRSKSN TNC
GGGNHGYNNEFRSMEAIFLAHG PSFKEKTEVEPFENIEVYNLMCDLLRIQPAPNNGT
HGSLNHLLKVPFYEPSHAEVSKFSVCGFANPLPTESLDCFCPHLQNSTQLEQVNQ
MLNLTQEEITATVKVNLPFGRPRVLQKNVDHCLLYHREYVSGFGKAMRMPMWSSY
TVPQLGDT SPLPPTVPDCLRADVRVPPSESQKCSFY LADKNITHGFLYPPASNRTSD
SQYDALITSNLVPMYEEFRKMWDYFHSVLLIKHATERNGVNVVSGPIFDYNYDGHFD
APDEITKHLANTDVPIPTHYFVVLTSCKNKSHTPENCPGWLDVLPFIIPHRPTNVESC
PEGKPEALWVEERF TAHIARVRDV ELLTGLDFYQDKVQP VSEILQLKTYLPTFETTI

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

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

Official Symbol

ENPP3

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;

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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

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