Recombinant Human ENPP2, GST-tagged

Cat. No. ENPP2-6998H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ENPP2 (36-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	36 aa-end
Description	ENPP2 functions as both a phosphodiesterase, which cleaves phosphodiester bonds at the 5 end of oligonucleotides, and a phospholipase, which catalyzes production of lysophosphatidic acid (LPA) in extracellular fluids which evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. It also may induce parturition. ENPP2 stimulates the motility of tumor cells and has angiogenic properties, and its expression is upregulated in several kinds of carcinomas.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~126 kDa
Purity	>70%
Applications	Western Blot

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Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.05 μg/μl

GENE INFORMATION

Gene Name	ENPP2 ectonucleotide pyrophosphatase/phosphodiesterase 2 [Homo sapiens]
Official Symbol	ENPP2
Synonyms	ENPP2; ectonucleotide pyrophosphatase/phosphodiesterase 2; PDNP2; ectonucleotide pyrophosphatase/phosphodiesterase family member 2; ATX; autotaxin; PD IALPHA; E-NPP 2; autotaxin-t; plasma lysophospholipase D; extracellular lysophospholipase D; phosphodiesterase I/nucleotide pyrophosphatase 2; NPP2; ATX-X; LysoPLD; AUTOTAXIN; PD-IALPHA; FLJ26803;
Gene ID	5168
mRNA Refseq	NM_001040092
Protein Refseq	NP_001035181
MIM	601060
UniProt ID	Q13822
Chromosome Location	8q24.1
Pathway	Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism,

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	conserved biosystem;
Function	alkylglycerophosphoethanolamine phosphodiesterase activity; calcium ion binding; hydrolase activity; lysophospholipase activity; nucleic acid binding; nucleotide diphosphatase activity; phosphodiesterase I activity; polysaccharide binding; scavenger receptor activity; transcription factor binding; zinc ion binding;

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