Recombinant Human ENPP2, His-tagged

Cat. No. ENPP2-566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENPP2 with 6-His tag was expressed in*Sf9*cells and purified using nickel-NTA chromatography.
Species	Human
Source	Sf9 Cells
Description	The protein encoded by this gene 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. LPA evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. This gene product stimulates the motility of tumor cells and has angiogenic properties, and its expression is upregulated in several kinds of carcinomas. The gene product is secreted and further processed to make the biologically active form. Several alternatively spliced transcript variants encoding different isoforms have been identified.
Quality Assay	Silver Stain.
Specific Activity	2.86 pmol/min/ng.
Molecular Weight	100kDa.

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	ENPP2 ectonucleotide pyrophosphatase/phosphodiesterase 2 [Homo sapiens]
Synonyms	ENPP2; ectonucleotide pyrophosphatase/phosphodiesterase 2; ATX; NPP2; ATX-X; PDNP2; LysoPLD; FLJ26803; AUTOTAXIN; PD-IALPHA; EC 3.1.4.39; E-NPP 2; ectonucleotide pyrophosphatase/phosphodiesterase family member 2; plasma lysophospholipase D; phosphodiesterase I/nucleotide pyrophosphatase 2; extracellular lysophospholipase D
Gene ID	5168
mRNA Refseq	NM_001040092
Protein Refseq	NP_001035181
MIM	601060
UniProt ID	Q13822
Chromosome Location	8q24.1
Pathway	Ether lipid metabolism
Function	alkylglycerophosphoethanolamine phosphodiesterase activity; hydrolase activity; metal ion binding; nucleic acid binding; nucleotide diphosphatase activity; polysaccharide binding; scavenger receptor activity; transcription factor binding

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