

Recombinant Human ENPP2 Protein, His-tagged

Cat. No. ENPP2-076H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active recombinant C-terminal histidine-tagged human ENPP2 protein (36-863) was expressed using a baculovirus overexpression system in Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	36-863
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.
Molecular Mass	98.8 kDa
Purity	≥90% as determined by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 μmol of p-nitrophenol per minute at 37 centigrade in 50 mM Tris-HCl, pH 9.0, containing bis-

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	nitrophenol phosphate.
Stability	≥ 9 months
Storage	At -80 centigrade.
Storage Buffer	50 mM Tris-HCl, pH 8.0, with 150 mM sodium chloride and 20% glycerol

GENE INFORMATION

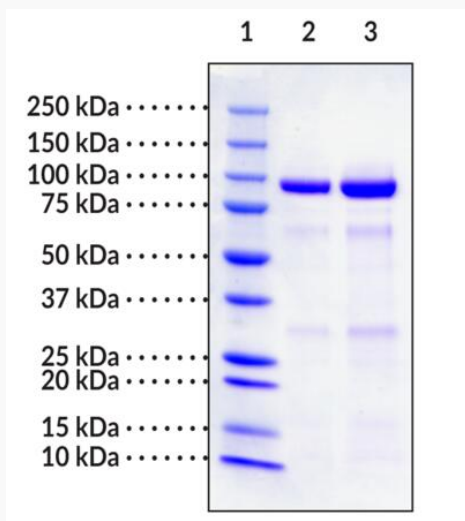
Gene Name	ENPP2 ectonucleotide pyrophosphatase/phosphodiesterase 2 [Homo sapiens (human)]
Official Symbol	ENPP2
Synonyms	ENPP2; ectonucleotide pyrophosphatase/phosphodiesterase 2; ATX; NPP2; ATX-X; PDNP2; LysoPLD; AUTOTAXIN; PD-IALPHA; ectonucleotide pyrophosphatase/phosphodiesterase family member 2; E-NPP 2; autotaxin-t; extracellular lysophospholipase D; phosphodiesterase I/nucleotide pyrophosphatase 2; plasma lysophospholipase D; EC 3.1.4.39
Gene ID	5168
mRNA Refseq	NM_006209
Protein Refseq	NP_006200
MIM	601060
UniProt ID	Q13822

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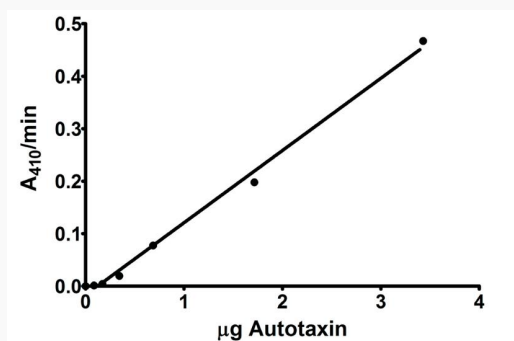
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SDS-PAGE analysis of Autotaxin



Lane 1: MW Markers
Lane 2: Autotaxin (2 µg)
Lane 3: Autotaxin (4 µg)



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