

Specifications:

Gene:	<i>h</i> ENPP2
Accession:	AAH34961
Insert size:	2605bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

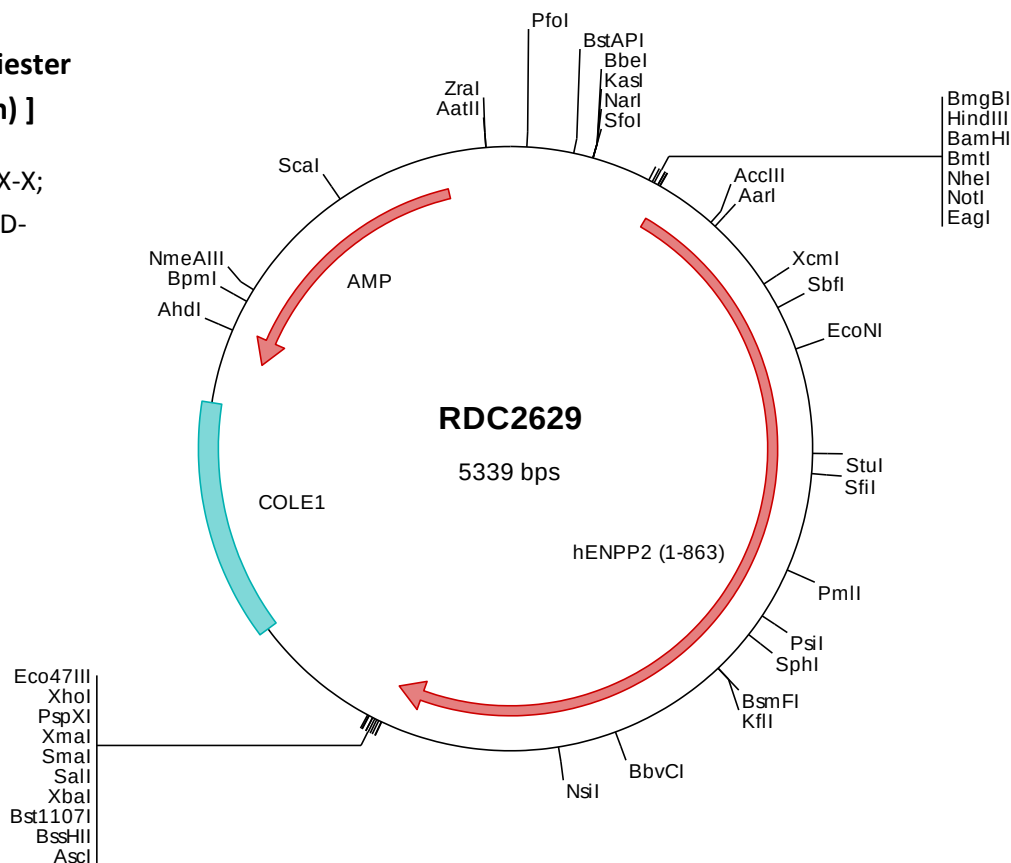
*h*ENPP-2/Autotaxin cDNA Plasmid

**ENPP2 ectonucleotide
pyrophosphatase/phosphodiester
ase 2 [*Homo sapiens* (human)]**

Also known as: ATX; NPP2; ATX-X;
PDNP2; LysoPLD; AUTOTAXIN; PD-
IALPHA

Summary:

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. LPA evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. ENPP2 stimulates the motility of tumor cells and has angiogenic properties, and its expression is upregulated in several kinds of carcinomas. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2629 Plasmid DNA Sequence

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> RDC2629 Translated Insert Sequence

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201  ymrpvptkt fplyltatg lypeshgvg nsmydpvfda tfhlrgrekf nhrwggqpl witatkqgvk agtffwsvvi pherrilti qwltlpdher
301  psvyafyseq pdfshgkygp fgpemtnplr eidkivgqlm dglkqlklhr cvnvifvgh gmedvtcdrt eflsnlytnv dditlvpgtl grirskfsnn
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501  vppfeniely nvmcdllglk papnngthgs lnhllrtntf rptmpeevtr pnypgimylq sdfdlgctcd dkvepknkld elnkrlltkg steerhilyg
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