

Product datasheet for **SC310953**

ENPP2 (NM_001040092) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENPP2 (NM_001040092) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENPP2
Synonyms:	ATX; ATX-X; AUTOTAXIN; LysoPLD; NPP2; PD-IALPHA; PDNP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310953 representing NM_001040092.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001040092
Insert Size: 2592 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001040092.2</u>
RefSeq Size:	3122 bp
RefSeq ORF:	2592 bp
Locus ID:	5168
UniProt ID:	<u>Q13822</u>
Cytogenetics:	8q24.12
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
Protein Pathways:	Ether lipid metabolism
MW:	99 kDa
Gene Summary:	<p>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. [provided by RefSeq, Aug 2008]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2, also known as beta) is shorter than isoform 1.</p>