

Product datasheet for SC124029

INPPL1 (NM_001567) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPPL1 (NM_001567) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPPL1
Synonyms:	OPSM2; SHIP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124029 sequence for NM_001567 edited (data generated by NextGen Sequencing)

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ATGGCCTCGGCCCTGCGGGGCGCCGGGCGCCCTGGGCGAGCCAGGCCCCCTCCTGGTACCACC
GCGACCTGAGCCGGGCGCCGCGGAGGAGCTGCTGGCCGGGCGGGCCGCGATGGCAGCTTCTGGTCCG
AGACAGCGAGAGCGTGGCGGGGCTTCGCGCTCTGCGTCTGTATCAGAAGCATGTGCACACGTATCGC
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AGAGGGTGTGAGCGAGAGCCGACCCAGGATGACCGGGATGCCTCAGATGGGAGGATGAGAAGCCCCCG
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AGACTCCACAGCTCCAGCTGTGAGAGTGTCCCAATGGGCTGAGCACCGTCTCGCAGACTACCTGAA
AGGCAGCTATGGGCTGGACCTGGAAGCTGTGAGGGTGGAGCCAGCCACCTGCCACCTCACCCGTACC
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TCAAGCCAGAGCAGGAGAACCGTATCAGCCATGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT

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CCTGGGGAACAAGGGGGCTGTGGGCGTCTCCTTCATGTTAATGGCACCTCATTTGGCTTTGTGAATTGT
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 GGAGGCTGGGGTGCAGGACCCGGCTCACAAGCGCCTCCTTCTGGACACCTGCAGCTCAGCAAGTGA

Clone variation with respect to NM_001567.3
 1703:c=>a 1704:c=>g

Restriction Sites:

Please inquire

ACCN:

NM_001567

Insert Size:

4000 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001567.2.</p>
Components:	<p>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).</p>
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:	<p>NM_001567.2, NP_001558.2</p>
RefSeq Size:	<p>4726 bp</p>
RefSeq ORF:	<p>3777 bp</p>
Locus ID:	<p>3636</p>
UniProt ID:	<p>O15357</p>
Cytogenetics:	<p>11q13.4</p>
Protein Pathways:	<p>Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system</p>
Gene Summary:	<p>The protein encoded by this gene is an SH2-containing 5'-inositol phosphatase that is involved in the regulation of insulin function. The encoded protein also plays a role in the regulation of epidermal growth factor receptor turnover and actin remodelling. Additionally, this gene supports metastatic growth in breast cancer and is a valuable biomarker for breast cancer. [provided by RefSeq, Jan 2009]</p>