

Product datasheet for **RR209860**

Plpp1 (NM_022538) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plpp1 (NM_022538) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Plpp1
Synonyms: Ppap2a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209860 representing NM_022538
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGACAAGACGCGGCTGCCGTACGTGGTCTCGATGTGATTTGCGTGTGCTGGCTGGATTGCCTT
TTATAATTCTTACTTCAAGGCATACCCCTTCCAACGAGGAGTGTCTGTACTGATGAGTCCATCAAGTA
CCCTTACAGAGAAGACACCATCCCTTATGCGTTATTAGGTGGAATAGTCATTCCATTCTGTATTATCGTT
ATGATTACTGGAGAACTCTGTCTGTTTACTTTAATGTCTTGCATTCAAATTCCTTTGTCAGCAATCACT
ATATAGCCACCATTTACAAGCCGTTGGAGCCTTTTTGTTGGAGCCTCAGCCAGTCAGTCCCTGACTGA
CATTGCTAAGTACTCTATAGGCAGACTGCGGCCTCACTTCCTGGCTGTCTGTAACCCAGACTGGTCAAAA
ATCAACTGCAGCGATGGCTACATTGAGAATTCGTATGTCAAGGGAATGAACAGAAGTCAAGGGAAGGCA
GGTTGTCCTTCTACTCGGGCCTCCTCATTCTCTATGTACTGCATGCTGTTTGTGCGACTTTATCTTCA
AGCCAGGATGAAGGGAGATTGGCAAGACTCTTACGACCCATGCTACAGTTTGGGCTTGTGCTTTATCC
ATATATGTGGCCTGTCTCGAGTTTCTGATTACAAACACCACTGGAGCGACGTGTTAATTGGCCTCATT
AAGGAGCTGTTGTGGCAATATTAGTGGTTTTGTATGTAAGTATTCTTCAAGACCACAGAGTCTAACAA
AGAAAGAAAAGAGGACTCACATACGACTCTACAGAAACCACCAACAGACAGAGCTACGCAAGGAATCAT
GAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_022538.2 , NP_071983.2
RefSeq Size:	1290 bp
RefSeq ORF:	849 bp
Locus ID:	64369
Cytogenetics:	2q14
MW:	32 kDa
Gene Summary:	hydrolyzes phosphatidic acid and lysophosphatidic acid; may mediate surfactant phospholipid secretion in alveolar type II cells, and cell growth during lung development and injury [RGD, Feb 2006]