

## Product datasheet for MR206630

### Acp6 (NM\_019800) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Acp6 (NM_019800) Mouse Tagged ORF Clone                           |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Acp6  |
| Synonyms:                 | 5730559A09Rik; ACPL1; AU022842; mPACPL1                           |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR206630 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCGTGTGGGTCCCCGTGGGTGTCCTGACCTCGTGGCTTACTGCTTCCACCAGCGCGGGTGGCCC  
TGGCCGAGCAGCGGGCTCCTAATGGCCAGCGTCCGGTGGACCGCAACCTACTGGAGCTGAAAATGGTGCA  
GGTGGTGTTCGACACGGGGCACGGAGTCCGCTCAAGCCTCTCCCGTGGAGGAGCAGGTGGAGTGAAC  
CCCAAGCTTTAGAGATCCACCTCAAACCTCGTGGTGGTACACTGTACCAATCTAGCTGGGGGCCGA  
AACCTCATTCTCATTACGACACTGAATACCGCAAGACCACCTTGAGGGGTGGCGTCTTGTGGCAGCT  
GACCAAGGTGGGCATGCAACAGATGTTTGGCCCTGGGAGAGAACTGAGGAAGAATTACGTGGAGGATATT  
CCCTTCCTTTACCAAGTCTACAACCCCAAGAGGTCTTTATTCGCTCCACCAACATGTTTCGGAATCTGG  
AATCTACTCGGTGCTTGCTGGCTGGACTTTTCCAACATCAGAAAGGGTCTGCCGTATCCACTGATGA  
GGCAAGCTCTGAAGTCTGTACCCCAACTATCAGAGCTGCTGGTCTGAAAGAGAAGACTAGGGGCCGG  
AAGAAGGCTGCCATTTTCGAGCCAGGCATCTCAGAGGATTTGGAAAAGGTGAAGACCGGGTGGGCATCA  
ACAACGGTGATGACGTGGACTTCTTTGTTCTCTGGACAACGTGGCTGCTGAGCAGGTACACAGCCTTCT  
AACTGCCCGGCCCTGGAGAGATTCGCCAGCTGATTGAGCAGAGAGCTGTGGACATGCCCTGTATGTG  
GTGGAACAAGAAGACAGGAAAGTATCCAGATGGCAGTGGGCCATTCCTACACATCCTGGAAGGAAACC  
TGCTCAAACTGTGGACCTACCACCGCACCCAGCAAGACCAGAAAGATGTACCTCTATGCAACACATGA  
TGTAACCTCCTGCCTATGCTGTTGGCCTTGGGGATTTTGGACAAAAATGGCCCCATTTGCTGTTGAC  
CTGACCATGGAATCTACCAGCACCAAGAATCTAAGGAGTGGTTTGTGCAACTCTTTTACAATGGGAAGG  
AGCAGGTACCAAGGGGTGCCCGACAAGCTCTGTCCACTGGACAAGTCTTGAACACCATGTCAGTTTA  
CTCTGTAAGCCCAGAAAAATACCGAACACTCTGCTCCAAAACACGAATAGTAGAAGTGGAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR206630 protein sequence  
Red=Cloning site Green=Tags(s)

MRVWVPVGVLTSLAYCFHQRRVALAEQRAPNGQRPVDRNLLLEKMQVVFRHGARSPLKPLPLEEQVEWN  
 PKLLEIPPQTRFDYTVTNLAGGPKPHSHYDTEYRKTTLRGGVLAGQLTKVGMQMFALGEKLRKNYVEDI  
 PFLSPVYNPQEVFIRSTNMFNRLESTRCLLAGLFQHQKGSVAIHTDEASSEVLYPNYQSCWVLKEKTRGR  
 KKAASIQPGISEDLEKVKTVGVGINNGDDVDFVLLDNVAAEQVHSLNCPALERFAQLIEQRAVDMALYV  
 VEQEDRESIQMAVGPFLHILEGNLLKTVDPPTTAPSKTRKMYLYATHDVTLLPMLLALGIFDQKWPPFAVD  
 LTMELYQHESKEWFVQLFYNGKEQVPRGCPDKLCPLDKFLNTMSVYSVSPEKYRTLCSKTRIVELGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_019800

**ORF Size:** 1257 bp

**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:**

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\\_019800.2](#), [NM\\_019800.3](#), [NM\\_019800.4](#), [NP\\_062774.2](#)

**RefSeq Size:** 1756 bp

**RefSeq ORF:** 1257 bp

**Locus ID:** 66659

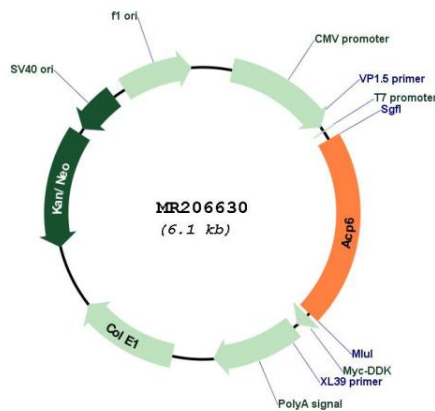
**UniProt ID:** [Q8BP40](#)

**Cytogenetics:** 3 F2.1

**MW:** 47.6 kDa

**Gene Summary:** Hydrolyzes lysophosphatidic acid (LPA) containing a medium length fatty acid chain to the corresponding monoacylglycerol. Has highest activity with lysophosphatidic acid containing myristate (C14:0), monounsaturated oleate (C18:1) or palmitate (C16:0), and lower activity with C18:0 and C6:0 lysophosphatidic acid (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206630