

Product datasheet for **MC228647**

Inpp4a (NM_001290799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp4a (NM_001290799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Inpp4a
Synonyms:	107kDa; 9630012D15; D130048C09Rik; R74740
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228647 representing NM_001290799
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGTGTGTTTTGCTTGCAGGGTATGTGAGTTGGAAGAGTTGGGGAGCTGTCCCTTGTGGGAGA
 GCCTCCGGCGCCAGATTGTCACCCAGTATCAGACTATCATCCTCACCTACCAGGAGAATCTGACTGACCT
 CCATCAGTACAAAAGTCTTCTTTAAAGCAAGCAGTTTAAAAGCAGATAAAAAGTTAGAATTTGTCC
 ACAAACCTGCACATACAACGGATGCGAGTTCAAGATGATGGAGGCTCAGATCAGAACTACGATGTCGTCA
 CTATTGGAGCCCCAGCAGCACACTGCCAAGTTTTAAGTCAGGAGGTCTTCGAAAAAGCTGCACAAGTT
 TGAAGAGGCCAAGAAACATTTTGGAGAGTGTGTACATCTTCTAGTGGCCAGTCCATCATCTACATACCA
 CAGGACATCACCCGAGCCAAGGAGATCATTGCCAGATCAACACCCTAAAAACCCAGGTCAGCTACTACG
 CGGAACGGCTCTCAAGGGCTGCGAAGGACAGGTCAGCTACTGGCCTTGAGAGGACTCTCGCCATCTTGGC
 AGACAAGACTCGGCAGTTGGTGACTGTCTGTGACTGTAAGCTGCTGGCCAACTCCATCCATGGGCTGAAT
 GCAGCTCGGCCGACTACATCGCTTCCAAGGCCTCCCCTACCTCGACTGAGGAGGAGCAGGTGATGCTTC
 GGAATGACCAGGACACCCTGATGGCCAGGTGGGCGGGGAGAAGCAGCCGGTCTTCCCTGCAGGTGGACTG
 GCATGAGGAGGAGTGGGAGAAAGTGTGGCTGAATGTGGACAAGAGCCTGGAGTGCATCATTAGCGGGTG
 GACAAGCTGTGCAGAAGGAGCGTCTGCATGGGAGGGCTGCGAGGATGCTTCCCTGTTCGAGCACCT
 GCTCCAGCAAGAAAGGTGAGTGGAGCGAGGCCCTTACCTCTGCTGACCACCCTCACAGACTGTGTGGC
 CATGATGAGCGACAAGGCCAAGGCAGCCATGGTCTTCTGCTCATGCAGGACAGTGCCCCACCATTGCC
 TCGTACCTCAGCTGCAGTATCGCCGTGACGTGCTTCTGCCAAACCTGACAGCCCTCATCTGTGGCT
 TTATCATCAAGCTGAGGAACTGCCTGCACGACGGTGGCTTCTGCGGCAGCTCTACACCATCGGCCTTCT
 GGCCAGTTTTGAGAGCCTGCTGAGCACCTACGGAGAGGAGTTGGCCATGTTGGAGGACATGAGCCTTGA
 ATCATGGACCTGAGGAATGTGACCTTTAAAGTCACTCAGGCCACTTCAATGCATCAAATGACATGCTGC
 CGGTATCACAGGAAACCGGATGGCTTTAACGTGCGGATCCCTCTGCCAGGCCACTGTTTGACTCCCT
 CCCCAGAGAGATCCAGAGTGGCATGCTGCTGCGGGTGCAGCCTGTCTCTCAACGTGGGCATCAATGAG
 CAACAGACTGGCTGAGAGTTTGGAGATACGTCCTTACAAGAAGTTATCAATGTGGAGAGCTTGGTGC
 GGTTAAATTCCTACTTTGAGCAGTTTAAAGAGTTTTGCCGGAGGACTGTCTACCTCGATCTCGGAGTCA
 GACCTGCCTTCCAGAGCTGCTGCGGTTCTGGGACAGAATGTCCATGCACGCAAGATAAGAATGTGGAC
 ATCCTCTGGCAAGCTGCTGAGGTCTGTGCGCCCTTAAACGGGTCCGATTACCAGCTGCAAGAGTGCCA
 AGGACCGCACAGCCATGTCGGTGACCCTGGAGCAGTGTCTGATCCTGCAGCACGAGCAGCCATGGCCCC
 GCAGGTCTTACACAAGCCCTGGAGTGCATGCGCAGCATTGGAACACGGGAGGTAGTCAACCAGAGAAGC
 TTGAGCGGCTGGTGCCATCCGAGACTTAAAGGCTAGACCCAGCCTTCTCTGTTCCATTCTTTATTAG
 CTCTAAGCCCCAATCTACTGATTGTGTGGCTCTTCTGAGCATAGCGTACCTGGTGACCAAATTCGGTTG
 CAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001290799

Insert Size: 2037 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290799.1</u> , <u>NP_001277728.1</u>
RefSeq Size:	2968 bp
RefSeq ORF:	2037 bp
Locus ID:	269180
UniProt ID:	<u>Q9EPW0</u>
Cytogenetics:	1 15.46 cM
Gene Summary:	<p>Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate. Involved in the regulation of megakaryocyte and fibroblast proliferation. Regulates cell growth downstream of transcription factor GATA-1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) has multiple differences in the coding region but maintains the reading frame, compared to variant 3. These differences include an alternate translation initiation start codon and an alternate 3' terminal exon. The encoded protein (isoform 5) is shorter and has a distinct C-terminus compared to isoform 3.</p>