

Product datasheet for **MC220543**

Inpp4a (NM_172971) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp4a (NM_172971) 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



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Fully Sequenced ORF: >MC220543 representing NM_172971
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGTGTGTTTTGCTTGCAGGGTATGTGAGTTGGAAGAGTTGGGGAGCTGTCCCCTTGCTGGGAGA
 GCCTCCGGCGCCAGATTGTCACCCAGTATCAGACTATCCTCACCTACCAGGAGAATCTGACTGACCT
 CCATCAGTACAAAAGTCTTCTTTAAAGCAAGCAGTTTAAAAGCAGATAAAAAAGTTAGAATTTGTCC
 ACAAACCTGCACATACAACGGATGCGAGTTCAAGATGATGGAGGCTCAGATCAGAACTACGATGTCGTC
 CTATTGGAGCCCCAGCAGCACACTGCCAAGTTTTAAGTCAGGAGGTCTTCGAAAAAGCTGCACAAAGT
 TGAAGAGGCCAAGAAACACAGTTTTGAGGAGTGTGTACATCTTCTAGTGGCCAGTCCATCATCTACATA
 CCACAGGACATCACCCGAGCCAAGGAGATCATTGCCAGATCAACACCCTAAAAACCCAGGTGAGTACT
 ACGCGGAACGGCTCTCAAGGGCTGCGAAGGACAGGTGAGTACTGGCCTTGAGAGGACTCTGCCATCTT
 GGCAGACAAGACTCGGCAGTTGGTACTGTCTGTACTGTAAGCTGCTGGCCAACCCATCCATGGGCTG
 AATGCAGCTCGGCCGACTACATCGCTTCCAAGGCCTCCCTACCTCGACTGAGGAGGAGCAGGTGATGC
 TTCGGAATGACCAGGACACCCTGATGGCCAGGTGGGCGGGGAGAAGCAGCCGGTCTTCCCTGCAGGTGGA
 CTGGCATGAGGAGGAGTGGGAGAAAGTGTGGTGAATGTGGACAAGAGCCTGGAGTGCATCATTACGCG
 GTGGACAAGCTGCTGCAGAAGGAGCGTCTGCATGGGGAGGGCTGCGAGGATGCTTTCCCCTGTTGAGCA
 CCTGCTCCAGCAAGAAAGATTGCAGCCCCCTCCTGAAGAGTCCAGTCCAGGTGAGTGGAGCGAGGCCCT
 TTACCCTCTGCTGACCACCCTCACAGACTGTGTGGCCATGATGAGCGACAAGGCCAAGGCAGCCATGGT
 TTCCTGCTCATGCAGGACAGTCCCCCACCATTGCCTCGTACCTCAGCTGCAGTATCGCCGTGACGTGCG
 TCTTCTGCCAAACCCTGACAGCCCTCATCTGTGGCTTTATCATCAAGCTGAGGAACTGCCTGCACGACGG
 TGGCTTCTGCGGCAGCTCTACACCATCGGCCTTCTGGCCAGTTTGAGAGCCTGCTGAGCACCTACGGA
 GAGGAGTTGGCCATGTTGGAGGACATGAGCCTTGAATCATGGACCTGAGGAATGTGACCTTTAAAGTCA
 CTCAGGCCACTTCGAATGCATCAAATGACATGCTGCCGGTATCACAGGAAAACGGGATGGCTTTAACGT
 GCGGATCCCTCTGCCAGGCCACTGTTTGACTCCCTCCCAGAGAGATCCAGAGTGGCATGCTGCTGCGG
 GTGCAGCCTGTCTCTTCAACGTGGCATCAATGAGCAACAGACACTGGCTGAGAGGTTTGGAGATACGT
 CCTTACAAGAAGTTATCAATGTGGAGAGCTTGGTGGGTTAAATTCCTACTTTGAGCAGTTTAAAGAGGT
 TTTGCCGAGGACTGTCTACCTCGATCTCGGAGTCAGACCTGCCTCCAGAGCTGCTGCGGTTCTGGGA
 CAGAATGTCCATGCACGCAAGAATAAGAATGTGGACATCTCTGGCAAGCTGCTGAGGTCTGTGCCGCC
 TTAACGGGGTCCGATTACCCAGCTGCAAGAGTGCCAAGGACCGCACAGCCATGTCGGTGACCCTGGAGCA
 GTGCTGATCCTGCAGCACGAGCAGGCATGGCCCCGAGGTCTTACACAAGCCCTGGAGTGCATGCGC
 AGCATTGGAACACGGGAGGTAGTCACCCAGAAGAACTTGAGCGGCCTGGTGGCCATCCGAGACTTAAGGC
 TAGACCCAGCCTTCTCTGTTCCATTCTTTATTAGCTCTAAGCCCCAATCTACTGATTGTGTGGCTCTT
 TCTGAGCATAGCGTACCTGGTGACCAAATTGCGTTGCAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172971

Insert Size: 2073 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).

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_172971.3, NP_766559.2</u>
RefSeq Size:	3004 bp
RefSeq ORF:	2073 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 (2) 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 2) is shorter and has a distinct C-terminus compared to isoform 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>