

Product datasheet for **MC229244**

Inpp4a (NM_001290797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp4a (NM_001290797) 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: >MC229244 representing NM_001290797
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGCAAGAGAGCACAGCCCTCGCCATGGTGCCAGGGCCCGTGCATGCAGCGGGCTTCCACCATTG
 ACGTGGCAGCCGACATGGTTGGCCTCTCTTTGGCAGGAAATATCCAAGATCCAGATGAGCCATTTTAGA
 ATTCAGCTTAGCTTGCACTGAGCTGCACACTCCATCGCTAGATCGAAAACCAAATAGTTTTGTGGCTGTG
 AGTGTCAACACCCTCCGCAGGGTTCTGGACGAAGCAGCACAGACGGAGATCATCGAGGGAACCAACA
 ACCCTATCTTTCTAAGCAGCATTGCCTTCTTCAAGACTCCCTTATCAATCAGATGACCCAGATCAAGCT
 GTCTGTGTATGATGTCAAAGACAGATCTCAGGGAACAATGTACTTACTGGGCTCTGGAACATTCTGGTC
 AAAGATCTGCTCCAGGACAGGCATCACAGATTGCATCTGACACTGAGGTCTGCAGAGAGTGACCGTGTG
 GCAACATAACTGTGATCGGCTGGCAGATGGAGGAGAAGTCCGACCAGCAGCCCCCTGTACCCGGTCTCT
 GGACACTGTCAATGGAAGGATGGTTCTGCCGTTGATGAAAGCTTACTGAGGCCTTGGGAATCCGATCC
 AAATATGCTTCTTTGCGAAAAGACAGCTTACTGAAAGCAGTGTTGGTGGTGCCATCTGCCGCATGTACC
 GCTTCCAACTACTGATGGTAACCACCTACGGATCCTGGAGCAGATGGCAGAGAGCGTCTCTCCCTGCA
 CGTGCCTCGGCAGTTTGTGAAGCTACTGCTGGAAGAAGATGCAGCCAGGGTATGTGAGTTGGAAGAGTTG
 GGGGAGCTGTCCCTTGTGGGAGAGCCTCCGGCGCCAGATTGTCACCCAGTATCAGACTATCATCTCA
 CCTACCAGGAGAATCTGACTGACCTCCATCAGTACAAAGTCTTCTTTAAAGCAAGCAGTTTGAAGC
 AGATAAAAAGTTAGAATTTGTTCCACAAAACCTGCACATACAACGGATGCGAGTTCAAGATGATGGAGGC
 TCAGATCAGAACTACGATGTCGCTACTATTGGAGCCCCAGCAGCACACTGCCAAGGTTTTAAGTCAGGAG
 GTCTTCGAAAAAAGCTGCACAAGTTTGAAGAGGCCAAGAACAATTTTGGAGAGTGTGTACATCTTCTAG
 TGGCCAGTCCATCATCTACATACCACAGGACATCACCCGAGCCAAGGAGATCATTGCCCAGATCAACACC
 CTA AAAAACCAGTCACTACTACGCGAACGGCTCTCAAGGGCTGCGAAGGACAGGTCACTACTGGCC
 TTGAGAGGACTCTCGCCATCTTGGCAGACAAGACTCGGCAGTTGGTGACTGTCTGTGACTGTAAGCTGCT
 GGCCAACTCCATCCATGGGCTGAATGCAGCTCGGCCGACTACATCGCTTCCAAGGCCTCCCTACCTCG
 ACTGAGGAGGAGCAGGTGATGCTTCGGAATGACCAGGACACCCTGATGGCCAGGTGGGCGGGGAGAAGCA
 GCCGGTCTTCCCTGCAGGTGGACTGGCATGAGGAGGAGTGGGAGAAAGTGTGGCTGAATGTGACAAGAG
 CCTGGAGTGCATCATTACGCGGGTGGACAAGCTGCTGCAGAAGGAGCGTCTGCATGGGGAGGGCTGCGAG
 GATGCTTCCCTGTTTCGAGCACCTGCTCCAGCAAGAAAGGTAACCGGGACAGCCAAGCCTACTGGATCC
 GACCGGAGGACCCCTTGTGTGACGCCCCCTCTCGACATGCCCTCCTCCATGCCCACTGCCGCATGCCA
 TCCTCATTCAAGCACACATTGCAGCCCCCTCCTGAAGAGTCCAGTCCAGGTGAGTGGAGCGAGGCCCTT
 TACCCTCTGCTGACCACCTCACAGACTGTGTGGCCATGATGAGCGACAAGGCCAAGGCAGCCATGGTCT
 TCCTGCTCATGCAGGACAGTGGCCCCACCTTGCCTCGTACCTCAGCCTGCAGTATCGCCGTGACGTCGT
 CTTCTGCCAAACCCTGACAGCCCTCATCTGTGGCTTTATCATCAAGCTGAGGAACTGCCTGCACGACGGT
 GGCTTCTGCGGCAGCTCTACCCATCGGCCTTCTGGCCAGTTTGGAGCCTGCTGAGCACCTACGGAG
 AGGAGTTGGCCATGTTGGAGGACATGAGCCTTGAATCATGGACCTGAGGAATGTGACCTTTAAAGTCAC
 TCAGGCCACTTCGAATGCATCAAATGACATGCTGCCGTCATCACAGGAAACCGGGATGGCTTTAACGTG
 CGGATCCCTCTGCCAGGCCCACTGTTTGACTCCCTCCCCAGAGAGATCCAGAGTGGCATGCTGTGCGGG
 TGCAGCCTGTCTCTTCAACGTGGGCATCAATGAGCAACAGACACTGGCTGAGAGGTTTGGAGATACGTC
 CTTACAAGAAGTTATCAATGTGGAGAGCTTGGTGCAGTTAAATTCCTACTTTGAGCAGTTTAAAGAGGTT
 TTGCCGGAGGACTGTCTACCTCGATCTCGGAGTCAGACCTGCCTTCCAGAGCTGCTGCGGTTCTGGGAC
 AGAATGTCCATGCACGCAAGAATAAGAATGTGGACATCCTCTGGCAAGCTGCTGAGGTCTGTGCGCCCT
 TAACGGGGTCCGATTACCAGCTGCAAGAGTGCCAAGGACCGCACAGCCATGTGCGTGACCTGGAGCAG
 TGTCTGATCCTGCAGCACGAGCAGGCATGGCCCCGAGGTCTTACACAAGCCCTGGAGTGCATGCGCA
 GTGAGGTTGTGCGCGAGAAAACAATGAAGAATGTTGGAAGTCGCAAAATATGCATTTAACTCCCTGCA
 GCTGAAGGCCCTCCCAAGCATTACAGGCTCCAGAAGGACTTACGAAAAGTTGAGACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001290797
Insert Size:	2934 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:	NM_001290797.1 , NP_001277726.1
RefSeq Size:	5862 bp
RefSeq ORF:	2934 bp
Locus ID:	269180
UniProt ID:	Q9EPW0
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 (3) represents the longest transcript and encodes the longest 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>