

Product datasheet for **MC222757**

Inpp4a (NM_030266) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp4a (NM_030266) 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: >MC222757 representing NM_030266
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGCAAGAGAGCACAGCCCTCGCCATGGTGCCAGGGCCCGTGCATGCAGCGGGCTTCCACCATTG
 ACGTGGCAGCCGACATGGTTGGCCTCTCTTTGGCAGGAAATATCCAAGATCCAGATGAGCCATTTTAGA
 ATTCAGCTTAGCTTGCAGTGAGCTGCACACTCCATCGCTAGATCGAAAACCAAATAGTTTTGTGGCTGTG
 AGTGTCCACCACCCTCCGCAGGGTCTGGACGAAGCAGCAGCAGAGATCATCGAGGGAACCAACA
 ACCCTATCTTTCTAAGCAGCATTGCCTTCTTCAAGACTCCCTTATCAATCAGATGACCCAGATCAAGCT
 GTCTGTGTATGATGTCAAAGACAGATCTCAGGGAACAATGTACTTACTGGGCTCTGGAACATTCTGGTC
 AAAGATCTGCTCCAGGACAGGCATCACAGATTGCATCTGACACTGAGGTCTGCAGAGAGTGACCGTGTG
 GCAACATAACTGTGATCGGCTGGCAGATGGAGGAGAAGTCCGACCAGCAGCCCCCTGTACCCGGTCTCT
 GGACACTGTCAATGGAAGGATGGTCTGCCCGTTGATGAAAGCTTACTGAGGCCTTGGGAATCCGATCC
 AAATATGCTTCTTTGCGAAAAGACAGCTTACTGAAAGCAGTGTTGGTGGTGCCATCTGCCGCATGTACC
 GCTTCCAACTACTGATGGTAACCACCTACGGATCCTGGAGCAGATGGCAGAGAGCGTCTCTCCCTGCA
 CGTGCCTCGGCAGTTTGTGAAGCTACTGCTGGAAGAAGATGCAGCCAGGGTATGTGAGTTGGAAGAGTTG
 GGGGAGCTGTCCCTTGTGGGAGAGCCTCCGGCGCCAGATTGTCACCCAGTATCAGACTATCATCTCA
 CCTACCAGGAGAACTGACTGACCTCCATCAGTACAAAGGTCCTTCTTTAAAGCAAGCAGTTTGAAGC
 AGATAAAAAGTTAGAATTTGTTCCACAAAACCTGCACATACAACGGATGCGAGTTCAAGATGATGGAGGC
 TCAGATCAGAACTACGATGTCGCTACTATTGGAGCCCCAGCAGCACACTGCCAAGGTTTTAAGTCAGGAG
 GTCTTCGAAAAAAGCTGCACAAGTTTGAAGAGGCCAAGAACAACAGTTTTGAGGAGTGTGTACATCTTC
 TAGTGGCCAGTCCATCATCTACATACCACAGGACATCACCCGAGCCAAGGAGATCATTGCCCAGATCAAC
 ACCCTAAAAACCCAGGTAGCTACTACGCGAAGCGCTCTCAAGGGCTGCGAAGGACAGGTAGCTACTG
 GCCTTGAGAGGACTCTCGCCATCTTGGCAGACAAGACTCGGCAGTTGGTACTGTCTGTACTGTAAGCT
 GCTGGCCAACTCCATCCATGGGCTGAATGCAGCTCGGCCGACTACATCGCTTCAAGGCCCTCCCTACC
 TCGACTGAGGAGGAGCAGGTGATGCTTCGGAATGACCAGGACACCCTGATGGCCAGGTGGCGGGGAGAA
 GCAGCCGGTCTTCCCTGCAGGTGACTGGCATGAGGAGGAGTGGGAGAAAGTGTGGCTGAATGTGGACAA
 GAGCCTGGAGTGCATCATTACGCGGTGGACAAGCTGCTGCAGAAGGAGCGTCTGCATGGGAGGGCTGC
 GAGGATGCTTCCCTGTTCGAGCACCTGCTCCAGCAAGAAAGATTGCAGCCCCCTCTGAAGAGTCCA
 GTCAGGTGAGTGGAGCGAGGCCCTTACCTCTGCTGACCACCTCACAGACTGTGTGGCCATGATGAG
 CGACAAGGCCAAGGCAGCCATGGTCTTCTGCTCATGCAGGACAGTGCCCCACCATTGCCTCGTACCTC
 AGCCTGCAGTATCGCCGTGACGTCGTCTTCTGCCAAAACCTGACAGCCCTCATCTGTGGCTTTATCATCA
 AGCTGAGGAACCTGCCTGCACGACGGTGGCTTCTGCGGCAGCTCTACCCATCGGCCTTCTGGCCAGTT
 TGAGAGCTGTGAGCACCTACGGAGAGGAGTTGGCCATGTTGGAGGACATGAGCCTTGGAAATCATGGAC
 CTGAGGAATGTGACCTTTAAAGTCACTCAGGCCACTTCGAATGCATCAAATGACATGCTGCCGGTCA
 CAGGAAACCGGATGGCTTTAACGTGCGGATCCCTCTGCCAGGCCACTGTTTACTCCCTCCCAAGAGA
 GATCCAGAGTGGCATGCTGCTGCGGGTGCAGCCTGTCTTCAACGTGGGCATCAATGAGCAACAGACA
 CTGGCTGAGAGGTTTGGAGATACGTCCTTACAAGAAGTTATCAATGTGGAGAGCTTGGTGGCGTTAAATT
 CCTACTTTGAGCAGTTTAAAGAGTTTTGCCGGAGGACTGTCTACCTCGATCTCGGAGTCAGACCTGCCT
 TCCAGAGCTGCTGCGGTTCTGGGACAGAATGTCCATGCACGCAAGAATAAGAATGTGGACATCCTCTGG
 CAAGCTGCTGAGGTCTGTGCGCCCTTAAACGGGGTCCGATTCACCAGCTGCAAGAGTGCCAAAGACCGCA
 CAGCCATGTCGGTGACCTGGAGCAGTGTCTGATCCTGCAGCACGAGCACGGCATGGCCCCGAGGTCTT
 CACACAAGCCCTGGAGTGCATGCGCAGTGGGGTTGTGCGCGAGAAAACACAATGAAGAATGTTGGAAGT
 CGCAAATATGCATTTAACTCCCTGCAGCTGAAGGCCTTCCCAAGCATTACAGCCTCCAGAAGGGACTT
 ACGGAAAAGTTGAGACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_030266
Insert Size:	2820 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:	NM_030266.4 , NP_084542.2
RefSeq Size:	5748 bp
RefSeq ORF:	2820 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 (1) uses several alternate in-frame splice sites in the coding region, compared to variant 3. The encoded protein (isoform 1) is shorter than isoform 3.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>