

Product datasheet for **MR222678**

Inpp4a (NM_172971) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp4a (NM_172971) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inpp4a
Synonyms:	107kDa; 9630012D15; D130048C09Rik; R74740
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR222678 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

 ATGTGTGTGTGTTTTGCTTGCAGGGTATGTGAGTTGGAAGAGTTGGGGAGCTGTCCCCTTGCTGGGAGA
 GCCTCCGGCGCCAGATTGTCACCCAGTATCAGACTATCCTCACCTACCAGGAGAATCTGACTGACCT
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 CTATTGGAGCCCCAGCAGCACACTGCCAAGTTTTAAGTCAGGAGGTCTTCGAAAAAGCTGCACAAGTT
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Protein Sequence: >MR222678 protein sequence
Red=Cloning site Green=Tags(s)

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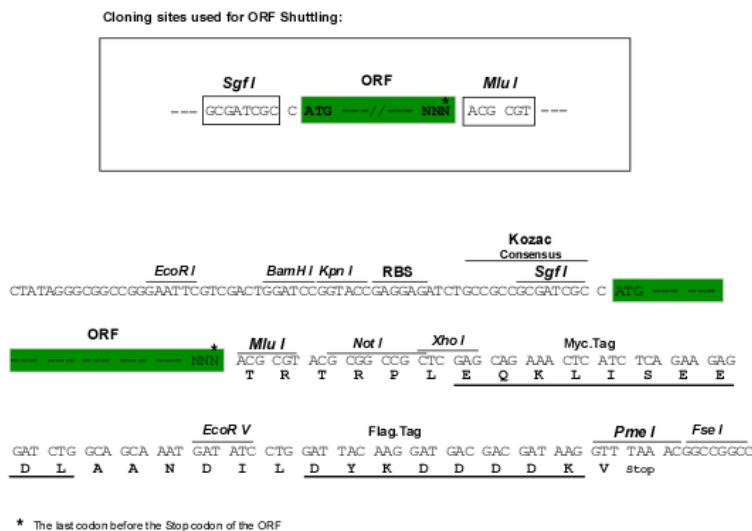
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_172971

ORF Size: 2073 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_172971.2](#), [NM_172971.3](#), [NP_766559.2](#)

RefSeq Size: 3004 bp

RefSeq ORF: 2073 bp

Locus ID: 269180

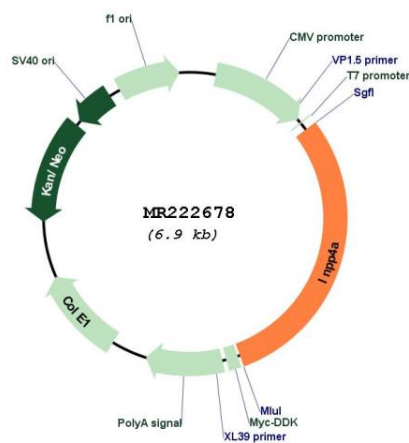
UniProt ID: [Q9EPW0](#)

Cytogenetics: 1 15.46 cM

MW: 77.6 kDa

Gene Summary: 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]

Product images:



Circular map for MR222678