

Product datasheet for **RC226283**

INPP4A (NM_001134225) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPP4A (NM_001134225) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INPP4A
Synonyms:	INPP4; TVAS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226283 representing NM_001134225
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGCAAGAGAGCACAGCCCTCGCCATGGTGCCAGGGCCCGTGAATGCAGCGGGCTTCCACCATCG
 AGTGGCGGCCGACATGCTGGCCCTCTCTCTGGCAGGAAATATACAAGACCCAGATGAGCCATTTTAGA
 ATTTAGCTTAGCTTGCAGTGAGCTGCATACTCCATCGCTAGATCGAAAGCCAAATAGTTTTGTTGCGGTG
 AGTGTCAACCACCCTCTCAGGCATTCTGGACGAAGCATGCACAGACGGAGATCATTGAGGGAACCAACA
 ATCCTATATTTCTAAGCAGTATTGCCTTTTCAAGACTCTTTATCAATCAGATGACACAAGTCAAACCT
 CTCCGTGTATGATGTCAAAGATAGATCTCAGGGAACAATGTATTTACTGGGCTCTGGAACGTTTATTGTC
 AAAGATCTGCTCCAGGACAGGCATCATAGGTTGCATTTAACTAAGGTCTGCAGAGAGTGACCGGTGAG
 GTAACATCACCGTATTGGCTGGCAGATGGAGGAGAAGTCAGACCAACGGCCCCCTGTACCCGGTCTGT
 GGACACTGTCAATGGGAGGATGGTTCTTCTGTGATGAGAGCTTGACGGAGGCGTTAGGAATCCGATCC
 AAATACGTTTATTGCGAAAGGACACTTTGCTGAAATCGGTGTTCCGGTGGTGCATCTGCCGCATGTACC
 GTTTTCCAACCACTGATGGTAACCAATTTGCGGATCCTGGAGCAGATGGCAGAGAGCGTGCTCCCTGCA
 CGTGCCCCGGCAGTTCGTGAAGCTCCTACTAGAGGAAGATGCAGCCAGAGTGTGTGAGCTGGAGGAGCTG
 GGAGAGCTGTCCCTTGTGGGAGAGCCTCCGGCGCAAATTTGTCACCCAGTACCAGACCATCATCTCA
 CATACCAGGAGAACCTGACCGACCTCCATCAGTACAGAGGGCCCTCGTTTAAAGCAAGCAGTTTGAAGC
 AGATAAAAAGTTAGAATTTGTTCCACAAAATTGCACATACAAAGGATGAGAGTTCAAGACGATGGAGGA
 TCAGATCAGAACTACGACATCGTACCATTGGGGCGCCAGCAGCACACTGCCAAGTTTTAAGTCAGGAG
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 GTGATGCTTAGAAATGACCAGGACACCCTCATGGCCCGTGGACAGGGAGAAACAGCCGATCTTCCCTGC
 AGGTGGACTGGCAGGAGGAGTGGGAGAAAGTGTGGCTGAACGTGGACAAGAGCCTAGAGTGCATCAT
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 TCTGTGATGTCCCTCCTCACCATGCCCTCCACCATGCCCTCCACTGCATGCCATCCTCATCTGACCAC
 ACATTGCAGTCCCCCTCCTGAAGAGTCCAGCCCAGGTGAATGGAGTGAGGCCCTTACCCTGTGACC
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 ACAGCGCGCCACCATAGCCACCTACCTGAGCCTGCAGTACCGCCGTGACGTGGTCTTCTGCCAGACGCT
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 CGCCTCCGACAGATGCTGCCCGTATCACAGGAAATCGCGACGAGTTTAAAGTGGGGTCCCTCTGCCG
 GGCCCGCTGTTTACGCTTGGCCCGGAGATCCAGAGTGGCATGCTGCTGCGAGTGCAGCCGCTCCTCT
 TCAACGTGGGCATCAATGAGCAGCAGACTGGCCGAGAGGTTTGGCGATACGTCTTTACAAGAAGTCAT
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 CTGCTCGGTCTCGCAGTCAAGCTGCCTGCCAGAGCTGCTGCGGTTTCTGGGTGAGAAGCTGCATGCC
 GGAAGAATAAGAAGCTCGACATTCTTGGAAGCTGCTGAGATCTGCCGCCGCTTAAATGGGGTCCGTT
 CACCAGCTGCAAGAGCGTAAGGACCGTACAGCCATGTCGGTGCAGTGGAGCAGTGCCTGATCCTGCAA
 CACGAGCATGGCATGGCCCCGAGGCTTACCCAGGCCCTGGAGTGCATGCGCAGTGAGGGTTGTGAA
 GAGAAAATACAATGAAGAATGTTGGAAGTCGAAATATGCATTTAATCCCTGCAGCTGAAGGCTTCC
 CAAGCATTACAGGCTCCCGAAGGGACTTACGGAAAAGTTGAAACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226283 representing NM_001134225
 Red=Cloning site Green=Tags(s)

MTAREHSPRHGARARAMQRASTIDVAADMLGLSLAGNIQDPDEPILEFSLACSELHTPSLDRKPNFSFVAV
 SVTTPPQAFWTKHAQTEIEGTNNPIFLSSIAFFQDSLINQMTQVKLSVYDVVKDRSQGTMYLKSGTFIV
 KDLLQDRHRLHLTLRSAESDRVGNITVIGWQMEEKSDQRPPVTRSVDTVNGRMVLPVDESLEALGIRS
 KYASLRKDTLLKSVFGGAI CRM YRFP TTDGNHLRILEQMAESVLSLHVPRQFVKLLLEEDAARVCELEEL
 GELSPCWESLRRQIVTQYQTIILTYQENLTDLHQYRGPSFKASSLKADKKLEFVPTNLHIQRMRVQDDGG
 SDQNYDIVITIGAPAAHCQGFKSGGLRKKLHKFEETKKHTSSGCQSIIYIPQDVVRAKEIIAQINTLTKTV
 SYAERLSRAAKDRSATGLERTLAAILADKTRQLVTVCDCKLLANSIHGLNAARPDYIASKASPTSTEEEQ
 VMLRNDQDTLMARWTGRNSRSLQVDWHEEEWEKVLNVDKSLECIQRVDKLLQKERLHGEGCEDVFP
 AGSCTSKKGNPDSHAYWIRPEDPFCVPSPPCPSTMPSTACHPHLTHCSPPPEESSPGWSEALYPLLT
 TLTDCVAMMSDKAKKAMVFLMQDSAPT IATYLSLQYRRDVVFCQTLTALICGFI I I KLRNCLHDDGFLRQ
 LYTIGLLAQFESLLSTYGEELAMLEMSLGIMDLRNVTFKVTQATSSASADMLPVTIGNRDEFNVRVPLP
 GPLFDALPREIQSGMLLRVQPVLFNVGINEQQLAERFGDTSLQEVINVESLVRNSYFEQFKEVLPEDC
 LPRRSQTCLPELLRFLGQNVHARKNKNDILWQAAEICRRLNGVRFTSCKSAKDR TAM SVTLEQCLILQ
 HEHGMAPQVFTQALECMRSEGCRRENTMKNVGSRKYAFNSLQLKAFPKHYPPEGTYGK VET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

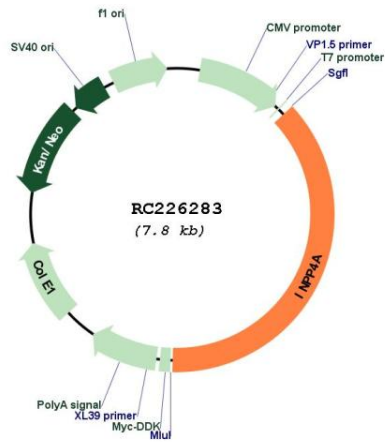


ACCN: NM_001134225

ORF Size: 2916 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:	<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_001134225.1 , NP_001127697.1
RefSeq ORF:	2919 bp
Locus ID:	3631
UniProt ID:	Q96PE3
Cytogenetics:	2q11.2
Protein Families:	Transmembrane
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	109.2 kDa
Gene Summary:	This gene encodes an Mg ⁺⁺ independent enzyme that hydrolyzes the 4-position phosphate from the inositol ring of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and inositol 3,4-bisphosphate. Multiple transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Aug 2008]

Product images:



Circular map for RC226283