

Product datasheet for **SC105900**

INPP4A (BC005082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPP4A (BC005082) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP4A
Synonyms:	INPP4; TVAS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for BC005082, the custom clone sequence may differ by one or more nucleotides

```

CTGGGGTGTTCCTGTCCCAGTCTGGGGCTGAACCCCTCGAAGTAGGCCTTCTGAGTAGCCACAGGGC
CCC GCCAGCTCTCCTGGCAGGGAATGTGGCAGTGGGTCCGGTCTCCGCAGCTTGGGAATTGTGCCCTCT
CAGAATGGCACATTCCAGCAGGGCCATGGGGGCTTCGGGGCTCCTCTGGGAGAGCTGGGGAGGGCTCTGT
GTGAAGAGGAACCTGGGCCTCCTGCCTCCCCATCTCCAAGTGGAGCCTTACAGGCTGCCTGCTGTGTC
CTCAGGCCTCTGATTCTGTGTCAGTCTGCCACTTGGCAGACATAAATGTGCTTCCAGAGTCATGTGGTT
CTAGGTACCATCTCACCTCAGTGCAGTTCTTCTGTAGCACAAAAGGGGGAAGAAGCCCCAAATTTCTAG
TGTGGTATTGTTGGATTCCACCCTTGGGGATGCTTTCAGAACCCTAACTTGCAAAGATGGAAACAGCAG
TCGCTCATGCCTGCCACTGCTGAGCCTGGAACCCGAGGCGGGGCTGGTGGGGGCTCTGCGCTTGGTTGGT
TGGTACCTGAGGTAATGGTTTTGTTTGCCTGGTTGATCAAGAGGCAGCTTTGGCCAAATCCTTTGTAC
CACCCCTGCTCAGGCATCTGTGAGAAGGTCAAATCCCCAATGGTTCTTCATGTTCCGCTTGCTTCTCAG
AAATCCCTGTCTGTGCAGCATGTGGGGCATGGCCGGGCAGCATGGAGTTGTGCTTGGCCAGCCGAGAGA
GTGAACATGGAACACATTCTGTTCAACCTACATGTGTTTATTTTCAGTAGATTGCAGTATTTTTTCTTAT
TTTCACTTCTCTTCTCCTTTTTTCTGTAAGTGTGCTGGTTTTGTTTTGGTCTTCTCTCATACCCG
TTTCTGCATTTTCTTTTTCTTCTATTGTGACTTCATTTTCTTTTTTAACTTATCTTTTTGTTTCT
CTTGTTTATCCCATCCTTTTTGATAAAATCCATCGCATGTGCTTCTTTTTTCTTATTTTCTTTCCTT
TCCTTTTTCTTTTTCTTCTCCCAAATTTTTCTTTTTACAGCATTGGAACACGGGAGGTAGTCACCC
AGAAGAAGTGTAGCGGCCTGGTGCCATCCGAGACTTAAGGCTAGACCCAGCCTCCTCTGTTCCATCCC
TTTATTAGCTCTGAGCCCAATTTACTGATTGTGTGGCTTTTCTGAGCATAGCATACCTGGTGACCAAA
TTGCGTTGCAAAATGAATATCATTATGAAAAATTAATAAGTCACAAGAAAAACAAAAGTCCAGAACATGT
CCAGCCACCGTGTACCTAACTGGACAGAAAGGAATGTGTCAAACCGTGGTCTGCCAAGAAATATTTTCATGC
CTTACATTTTGACGTTTTGTTCTTCTGAACTGTAATATCTGCCAAATATTTTCCCAAGAAGACTTGT
TGTTTAGCTCCTGTAGCATCTTTCAGTGTGTAACATGTTCTTACGGTGCCTGTCACTGCATCGTTTGA
CTGGCCTGGAATTCCTTGTACCACGCTCTACCTTCTGATGTACAATTTTATCACCTGTACCTCTCAT
GTGCCCTGTTTCCAAGAGAAACGAGTTCTGTTAAAGAGAATTTGTATTTTGATACTATTCTTTAAGTG
TACTGCTAACCCCTTCTTCTTCTTGTGACAAACGAAAAAAAAAAAAAAAAAAAA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for BC005082 unedited

```

AGAGAGTTCACATTAGTNATACCACTTCACTATAGGCGGCCGCGNAATTCGCACGAGGCC
GCAGCTTGGGAATTGTGCCCTCTCAGATGGCACATTCCAGCAGGGCCATGGGGGCTTCGG
GGCTCCTCTGGGAGAGCTGGGGAGGGCTCTGTGTGAAGAGGAACCTGGGCCTCCTGCCT
CCCCATCTCCAAGTGGAGCCTTACAGGCTGCCTGCTGTGCTCCTCAGGCCTCTGATTCTG
TGTCACTGCTGCCACTTGGCAGACATAAATGTGCTTCCAGAGTCATGTGGTTCTAGGTAC
CATCTCACCTCAGTGCAGTTCTTCTGTAGCACAAAAGGGGGAAGAAGCCCCAAATTTCT
AGTGTGGTATTGTTTGGATTCCACCCTTGGGGATGCTTTCAGAACCCTAACTTGCAAAGA
TGGAAACAGCAGTCGCTCATGCCTGCCACTGCTGAGCCTGGAACCCGAGGCGNGCTGGT
GGGGGCTCTGCGCTTGGTTGGTTGGTACCTGAGGTAATGGTTTTTGTGCTGGTTGA
TCAAGATGCAGCTTTGGCCAAATCCTTTGTACCACCCCTGCTCAGGCATCTGTGAGAAG
GTCAAATCCCCAATGGTTCTTCATGTTCCGCTTGTCTCAGAAATCCCCGTCTGTGCA
GCATGTGGGGCATGGCCGGGCAGCATGGAGTTGTGCTTGGCCAGCCGAGAGAGTGAACA
TGGGAAACCATTCGTTCAACCTACATGTGTCTATCTTCAGTAGATTGCAGATTTTTTCT
TATTTTCACTNCTTTTCTCCTTTTTTCTGTAAGTGTGCTGGTTTTGTTTGGGCCT
TCCTCTCATACCCGTTTCTGCATTTCCACCCTTCTTTCATTGGGG
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for BC005082 unedited TACAGCATGNACGCGCCGATTCTACATCGAGTTTTTTTTTTTTTTTTTTTTCGTTTGCA TCAAAAGGAAGGAAGGGTTAGCAGTACACTTAAAGAATAGTATCAAATATACAAATTCTC TTTAAACAGAACTCGTTTCTCTTGGAAACAGGGCACATGAGAGGTACAGGTGATAAATAG TTGTACATCAGAAGGTAGAGACGTGGTACAAGGAATCCAGGCCAGCTAAACGATGCAGT GACAGGGCACCGTAAGAACATGTTACAAGCACTGAAGATGCTACAGGAGCTAAACAAACA AGTCTTCTTGGTAAAATAATTTGGCAGATATTTACAGTTTACAAGAAACAAAACGTCAAAA TGTAAGGCATGAAATATTTCTTGGCAGACCACGGTTTGACACATTCCTTCTGTCCAGTTA GGTACACCGTGGCTGGCCATGTTCTGGCACTTTTGTCTTCTTGGCAGTTATTAATTTTT CATAATGATATTCATTTGCAACGCAATTTTGTACCAGGTATGCTATGCTCAGAAAGAGC CCCCATCCGTAATTTGGGGCTCACAGCTAATAAAGGGATGGAACATAGGAGGCTGGGG TCCTACCCTTAATTTGGATGGGCACCAGGCCCTTTCAGTTCTTCTTGGGGACCACCTC CGTGTTCATGCTGTAAAAGGAAAAATTTGCGCGAAAAAAAAGGAAAAGGGAGGGCCC GACATTACGACAAATGAAAACCTTCCGCGGGATTTTTCCACAAGGGTGGGTACCCCGG AACCCCGATAGGGCAAAAAAAGGAATGGCGCCCTCTCAAAATAAAAAAATGCCCA AACCGTTTTCAAGGAAACCCCCACACCCCGCATTTCCGCGAAAAAAGGGGAAACCGAA CTGGTTATTGCAAAAT
Restriction Sites:	NotI-NotI
ACCN:	BC005082
Insert Size:	1750 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:	BC005082.1
RefSeq Size:	1734 bp
RefSeq ORF:	1734 bp
Locus ID:	3631
Cytogenetics:	2q11.2
Protein Families:	Transmembrane
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

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]