

Product datasheet for **SC325381**

INPP4A (NM_001134225) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | INPP4A (NM_001134225) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | INPP4A |
| Synonyms: | INPP4; TVAS1 |
| Vector: | <u>pCMV6 series</u> |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001134225, the custom clone sequence may differ by one or more nucleotides

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ATGACAGCAAGAGAGCACAGCCCTCGCCATGGTGCCAGGGCCCGTGCAATGCAGCGGGCT
TCCACCATCGACGTGGCGGCCGACATGCTGGGCCCTCTCTCTGGCAGGAAATATACAAGAC
CCAGATGAGCCCATTTTAGAATTTAGCTTAGCTTGCAAGTGCAGTGCATACTCCATCGCTA
GATCGAAAGCCAAATAGTTTTGTTGCGGTGAGTGTACCACCCCTCCTCAGGCATTCTGG
ACGAAGCATGCACAGACGGAGATCATTGAGGGAACCAACAATCCTATATTTCTAAGCAGT
ATTGCCTTCTTTCAAGACTCTCTTATCAATCAGATGACACAAGTCAAACCTCCCGTGAT
GATGTCAAAGATAGATCTCAGGGAACAATGTATTTACTGGGCTCTGGAACGTTTATTGTC
AAAGATCTGCTCCAGGACAGGCATCATAGGTTGCATTTAACTAAGGTCTGCAGAGAGT
GACCGTGTAGGTAACATCACCCTGATTGGCTGGCAGATGGAGGAGAAGTCAAGACCAACGG
CCCCCTGTGACCCGGTCTGTGGACTGTCAATGGGAGGATGGTCTTCTCTGTGATGAG
AGCTTGACGGAGGCGTTAGGAATCCGATCCAAATACGCTTCATTGCGAAAGGACACTTTG
CTGAAATCGGTGTTCCGGTGGTCCATCTGCCGCATGTACCGGTTTCCAACCACTGATGGT
AACCATTTGCGGATCCTGGAGCAGATGGCAGAGAGCGTGTCTCCCTGCACGTGCCCCGG
CAGTTTCGTGAAGCTCCTACTAGAGGAAGATGCAGCCAGAGTGTGTGAGCTGGAGGAGCTG
GGAGAGCTGTCCCTTGCTGGGAGAGCCTCCGGCGCCAAATTGTCACCCAGTACCAGACC
ATCATCTCACATACCAGGAGAACCTGACCGACCTCCATCAGTACAGAGGGCCCTCGTTT
AAAGCAAGCAGTTTGAAGCAGATAAAAAGTTAGAATTTGTTCCCAAACTTGCACATA
CAAAGGATGAGAGTTCAAGACGATGGAGGATCAGATCAGAAGTACGACATCGTACCATT
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AAATTTGAAGAGACCAAGAAACATACATCATCTGGCTGCCAGTCCATAATCTACATACCC
CAGGATGTTGTGACAGCCAAGGAGATCATCGCCAGATCAACACCCTGAAAACCAAGTG
AGTTACTACGCAGAGCGGCTGTCAAGGGCAGCCAAGGACAGGTCTGCCACTGGCCTTGAG
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CTCCTGGCAACTCCATCCATGGGCTGAACGCTGCACGGCCTGACTACATTGCCTCCAAG
GCCTCTCCCACTTCGACTGAGGAGGAGCAGGTGATGCTTAGAAATGACCAGGACACCCTC
ATGGCCCGGTGGACAGGGAGAAACAGCCGATCTTCCCTGCAGGTGGACTGGCAGGAGGAG
GAGTGGGAGAAAGTGTGGCTGAACGTGGACAAGAGCCTAGAGTGCATCATTACAGCGTGTG
GACAAGCTGCTGCAGAAGGAGCGGCTGCATGGCGAGGGTGTGAGGATGTCTTCCCCTGT
GCAGGCAGCTGCACCAGCAAGAAAGTAACCCGGACAGCCACGCCTACTGGATCAGACCA
GAAGACCCCTTCTGTGATGTCCCCTCCTACCATGCCCTCCACCATGCCCTCCACTGCA
TGCCATCCTCATCTGACCACACATTGCAGTCCCCCTCCTGAAGAGTCCAGCCAGGTGAA
TGGAGTGAAGCCCTTACCCGCTGCTGACCACTCTCACCGACTGCGTGGCCATGATGAGT
GACAAGGCCAAGAAGGCCATGGTATTCTGCTCATGCAGGACAGCGCGCCACCATAGCC
ACCTACCTGAGCCTGCAGTACCGCCGTGACGTGGTCTTCTGCCAGACGCTGACCGCCCTC
ATCTGCGGCTTCAATTAAGCTGAGGAACTGCCTGCATGACGACGGCTTCTGCGCCAG
CTCTACACCATCGGGTCTGGCCAGTTCGAGAGCCTGCTGAGCACCTACGGGGAGGAG
CTGGCAATGCTGGAGGACATGAGCCTTGGGATCATGGACTTGAGGAACGTGACCTTCAA
GTCACTCAGGCCACTTCCAGCGCCTCCGACAGACATGCTGCCCGTATCACAGGAAATCGC
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ATCCAGAGTGGCATGCTGCTGCGAGTGCAGCCCGTCTTCAACGTGGGCATCAATGAG
CAGCAGACTGGCCGAGAGGTTTGGCGATACGCTTTACAAGAAGTCAACAGTGGAG
AGTTTGGTGGGTTAAATTCCTACTTTGAGCAGTTTAAAGGAAGTTTGCCTGAGGATTGC
CTGCCCTCGGTCTGCGAGTGCAGCTGCCAGAGCTGCTGCGGTTTCTGGGTGAGAAC
GTGCATGCCCGAAGAATAAGAACGTGACATTCTTGGAAGCTGCTGAGATCTGCCGC
CGCCTTAATGGGTCCGGTTTACCAGCTGCAAGAGCGCTAAGGACCGTACAGCCATGTCG
GTGACACTGGAGCAGTGCCTGATCCTGCAACACGAGCATGGCATGGCCCCGAGGTCTTC
ACCCAGGCCCTGGAGTGCATGCGCAGTGAAGGTTGTGCAAGAGAAAATACAATGAAGAAT
GTTGGAAGTCGAAAATATGCATTTAATTCCTGACAGTGAAGGCTTTCCCAAGCATTAC
AGGCCTCCCAAGGGACTTACGGAAAAGTTGAAACG

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| Restriction Sites: | Please inquire |
| ACCN: | NM_001134225 |
| 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: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <u>NM_001134225.1</u> , <u>NP_001127697.1</u> |
| RefSeq Size: | 6737 bp |
| RefSeq ORF: | 2919 bp |
| Locus ID: | 3631 |
| UniProt ID: | <u>Q96PE3</u> |
| Cytogenetics: | 2q11.2 |
| Protein Families: | Transmembrane |
| Protein Pathways: | Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (c) lacks an alternate exon and uses an alternate, in-frame splice site in the coding region compared to variant a. The resulting isoform (c) is longer but has the same N- and C-termini compared to isoform a.</p> |