

Product datasheet for **SC310038**

INPP4A (NM_004027) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPP4A (NM_004027) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP4A
Synonyms:	INPP4; TVAS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_004027 edited
 ATGACAGCAAGAGAGCACAGCCCTCGCCATGGTGCCAGGGCCCGTGAATGCAGCGGGCT
 TCCACCATCGACGTGGCGGCCGACATGCTGGGCCTCTCTCTGGCAGGAAATATACAAGAC
 CCAGATGAGCCCATTTTGAATTTAGCTTAGCTTGCACTGAGCTGCATACTCCATCGCTA
 GATCGAAAGCCAAATAGTTTTGTGCGGTGAGTGTACCACCCCTCCTCAGGCATTCTGG
 ACGAAGCATGCACAGACGGAGATCATTGAGGGAACCAACAATCTATATTTCTAAGCAGT
 ATTGCCTCTTTCAAGACTCTCTTATCAATCAGATGACACAAGTCAAACCTCCTCGTGAT
 GATGTCAAAGATAGATCTCAGGGAACAATGTATTTACTGGGCTCTGGAAGTTTCATTGTC
 AAAGATCTGCTCCAGGACAGGCATCATAGTTGCATTTAACACTAAGGTCTGCAGAGAGT
 GACCGTGTAGGTAACATCACCGTATTGGCTGGCAGATGGAGGAGAAGTCAGACCAACGG
 CCCCTGTGACCCGGTCTGTGGACTGTCAATGGGAGGATGGTCTTCTGTGATGAG
 AGCTTGACGGAGGCGTTAGGAATCCGATCCAAATACGCTTCATTGCGAAAGGACACTTTG
 CTGAAATCGGTGTTGGTGGTCCATCTGCCGATGTACCGGTTTCCAACACTGATGGT
 AACCATTTGCGGATCCTGGAGCAGATGGCAGAGAGCGTCTCCCTGCACGTGCCCGGG
 CAGTTCGTGAAGCTCCTACTAGAGGAAGATGCAGCCAGAGTGTGTGAGCTGGAGGAGCTG
 GGAGAGCTGTCCCTTGCTGGGAGAGCCTCCGGCGCCAAATTGTACCCAGTACCAGACC
 ATCATCTCACATACCAGGAGAACCTGACCCGACCTCCATCAGTACAGAGGGCCCTCGTTT
 AAAGCAAGCAGTTTAAAAGCAGATAAAAAGTTAGAATTTGTTCCCAAACTTGCACATA
 CAAAGGATGAGAGTTCAAGACGATGGAGGATCAGATCAGAACACGACATCGTACCATT
 GGGGCGCCAGCAGCACTGCCAAGGTTTTAAGTCAGGAGGTCTCCGCAAAAAGCTGCAC
 AAATTTGAAGAGACCAAGAAACATTTTGAGGAGTGTGTACATCATCTGGCTGCCAGTCC
 ATAATCTACATACCCAGGATGTTGTGAGAGCAAGGAGATCATGCCCCAGATCAACACC
 CTGAAAACCCAAAGTGAAGTACTACGAGAGCGGCTGTCAAGGGCAGCAAGGACAGGTCT
 GCCACTGGCCTTGAGAGGACACTCGCCATCTTGGCAGACAAGACACGGCAGCTGGTCAG
 GTCTGCGACTGCAAGCTCCTGGCCAACCTCCATCCATGGGCTGAACGCTGCACGGCCTGAC
 TACATTGCCTCCAAGGCCTCTCCCACTTCGACTGAGGAGGAGCAGGTGATGCTTAGAAAT
 GACCAGGACACCCTCATGGCCCGTGGACAGGGAGAAACAGCCGATCTTCCCTGCAGGTG
 GACTGGCAGGAGGAGTGGGAGAAAGTGGCTGAACGTGGACAAGAGCCTAGAGTGC
 ATCATTACGCGTGTGGACAAGCTGCTGCAGAAGGAGCGGCTGCATGGCGAGGGCTGTGAG
 GATGTCTTCCCCTGTGCAGGCAGCTGCACCAGCAAGAAAGATTGCAGTCCCCTCCTGAA
 GAGTCCAGCCCAGGTGAATGGAGTGAAGGCCCCTTACCCTGCTGACCACTCTCACCGAC
 TGGCTGGCCATGATGAGTGACAAGGCCAAGAAGGCCATGGTATTCTGCTCATGCAGGAC
 AGCGCGCCACCATAGCCACCTACCTGAGCCTGCAGTACCGCCGTGACGTGGTCTTCTGC
 CAGACGCTGACCGCCCTCATCTGCGGCTTCATCATTAAAGCTGAGGAACTGCCTGCATGAC
 GACGGCTTCTGCGCCAGCTCTACACCATCGGGCTGCTGGCCAGTTCGAGAGCCTGCTG
 AGCACCTACGGGAGGAGCTGGCAATGCTGGAGGACATGAGCCTTGGGATCATGGACTTG
 AGGAACGTGACCTTCAAAGTCACTCAGGCCACTCCAGCGCCTCCGACAGACATGCTGCC
 GTCATCACAGGAAATCGCGACGGGTTTAACTGCGGGTCCCTCTGCCGGGCCGCTGTTT
 GACGCCTTGCCCGGAGATCCAGAGTGGCATGCTGCTGCGAGTGCAGCCCGTCTCTTC
 AACGTGGGCATCAATGAGCAGCAGACACTGGCCGAGAGGTTTGGCGATACGTCTTTACAA
 GAAGTCATCAACGTGGAGAGTTTGGTGGGTTAAATTCCTACTTTGAGCAGTTTAAAGGAA
 GTTTTGCCTGAGGATTGCCTGCCTCGGTCTCGCAGTCAAGCAGTGCCTGCCAGAGCTGCTG
 CGGTTTCTGGGTGAGACGTGCATGCCCGAAGAATAAGAACGTGCACATTCTCTGGCAA
 GCTGCTGAGATCTGCCCGCCCTTAAATGGGGTCCGGTTCACCAGCTGCAAGAGCGCTAAG
 GACCGTACAGCCATGTCGGTGCACACTGGAGCAGTGCCTGATCCTGCAACACGAGCATGGC
 ATGGCCCCGAGGTCTTACCCAGGCCCTGGAGTGCATGCGCAGTGAAGGTTGTGCAAGA
 GAAAATACAATGAAGAATGTTGGAAGTCGCAAATATGCATTTAATCCCTGCAGCTGAAG
 GCTTTCCCAAGCATTACAGGCCTCCCGAAGGGACTTACGGAAAAGTTGAAACGTGA

Restriction Sites: Please inquire

ACCN: NM_004027

Insert Size:	3400 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).
OTI Annotation:	This clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_004027.1
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_004027.1</u> , <u>NP_004018.1</u>
RefSeq Size:	3217 bp
RefSeq ORF:	2817 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 (a) encodes the shortest isoform (a). Variants a and h both encode the same isoform (a).</p>