

Product datasheet for **SC309507**

INPP4A (NM_001566) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INPP4A (NM_001566) 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_001566 edited
 ATGACAGCAAGAGAGCACAGCCCTCGCCATGGTGCCAGGGCCCGTGAATGCAGCGGGCT
 TCCACCATCGACGTGGCGGCCGACATGCTGGGCCTCTCTCTGGCAGGAAATATACAAGAC
 CCAGATGAGCCCATTTTGAATTTAGCTTAGCTTGCACTGAGCTGCATACTCCATCGCTA
 GATCGAAAGCCAAATAGTTTTGTGCGGTGAGTGTACCACCCCTCCTCAGGCATTCTGG
 ACGAAGCATGCACAGACGGAGATCATTGAGGGAACCAACAATCTATATTTCTAAGCAGT
 ATTGCTTCTTTCAAGACTCTCTTATCAATCAGATGACACAAGTCAAACCTCCTCGTGAT
 GATGTCAAAGATAGATCTCAGGGAACAATGTATTTACTGGGCTCTGGAAGTTTCATTGTC
 AAAGATCTGCTCCAGGACAGGCATCATAGTTGCATTTAACACTAAGGTCTGCAGAGAGT
 GACCGTGTAGGTAACATCACCGTGATTGGCTGGCAGATGGAGGAGAAGTCAGACCAACGG
 CCCCTGTGACCCGGTCTGTGGACTGTCAATGGGAGGATGGTTCTTCTGTGATGAG
 AGCTTGACGGAGGCGTTAGGAATCCGATCCAAATACGCTTCATTGCGAAAGGACACTTTG
 CTGAAATCGGTGTTCCGGTGGTCCATCTGCCGATGTACCGGTTTCCAACACTGATGGT
 AACCATTTGCGGATCCTGGAGCAGATGGCAGAGAGCGTCTCCCTGCACGTGCCCCGG
 CAGTTCGTGAAGCTCCTACTAGAGGAAGATGCAGCCAGAGTGTGTGAGCTGGAGGAGCTG
 GGAGAGCTGTCCCTTGCTGGGAGAGCCTCCGGCGCCAAATTGTACCCAGTACCAGACC
 ATCATCTCACATACCAGGAGAACCTGACCGACCTCCATCAGTACAGAGGGCCCTCGTTT
 AAAGCAAGCAGTTTAAAAGCAGATAAAAAGTTAGAATTTGTTCCCAAAAATTGCACATA
 CAAAGGATGAGAGTTCAAGACGATGGAGGATCAGATCAGAACTACGACATCGTACCATT
 GGGGCGCCAGCAGCACTGCCAAGGTTTTAAGTCAGGAGGTCTCCGCAAAAAGCTGCAC
 AAATTTGAAGAGACCAAGAAACATTTTGAGGAGTGTGTACATCATCTGGCTGCCAGTCC
 ATAATCTACATAACCCAGGATGTTGTGAGAGCAAGGAGATCATGCCCCAGATCAACACC
 CTGAAAACCCAAAGTGAAGTACTACGAGAGCGGCTGTCAAGGGCAGCAAGGACAGGTCT
 GCCATGGCCTTGAGAGGACACTCGCCATCTTGGCAGACAAGACACGGCAGCTGGTCACG
 GTCTGCGACTGCAAGCTCCTGGCCAACCTCCATCCATGGGCTGAACGCTGCACGGCCTGAC
 TACATTGCCTCCAAGGCCTCTCCCACTTCGACTGAGGAGGAGCAGGTGATGCTTAGAAAT
 GACCAGGACACCCTCATGGCCCGTGGACAGGGAGAAACAGCCGATCTTCCCTGCAGGTG
 GACTGGCAGGAGGAGTGGGAGAAAGTGGCTGAACGTGGACAAGAGCCTAGAGTGC
 ATCATTACGCGTGTGGACAAGCTGCTGCAGAAGGAGCGGCTGCATGGCGAGGGCTGTGAG
 GATGTCTTCCCCTGTGCAGGCAGCTGCACCAGCAAGAAAGATTGCAGTCCCCTCCTGAA
 GAGTCCAGCCCAGGTGAATGGAGTGAAGGCCCCTTACCCGCTGCTGACCACTCTCACCGAC
 TGGCTGGCCATGATGAGTGACAAGGCCAAGAAGGCCATGGTATTCTGCTCATGCAGGAC
 AGCGCGCCACCATAGCCACCTACCTGAGCCTGCAGTACCGCCGTGACGTGGTCTTCTGC
 CAGACGCTGACCGCCCTCATCTGCGGCTTCATCATTAAAGCTGAGGAACTGCCTGCATGAC
 GACGGCTTCTGCGCCAGCTCTACACCATCGGGCTGCTGGCCAGTTCGAGAGCCTGCTG
 AGCACCTACGGGGAGGAGCTGGCAATGCTGGAGGACATGAGCCTTGGGATCATGGACTTG
 AGGAACGTGACCTTCAAAGTCACTCAGGCCACTCCAGCGCCTCCGACAGACATGCTGCC
 GTCATCACAGGAAATCGCGACGGGTTTAAAGTGGGGTCCCTCTGCCGGGCCCGTGTTC
 GACGCTTGCCCGGGAGATCCAGAGTGGCATGCTGCTGCGAGTGCAGCCCGTCTCTTC
 AACGTGGGCATCAATGAGCAGCAGACACTGGCCGAGAGGTTTGGCGATACGTCTTTACAA
 GAAGTCATCAACGTGGAGAGTTTGGTGGGTTAAATTCCTACTTTGAGCAGTTTAAAGGAA
 GTTTTGCCTGAGGATTGCCTGCCTCGGTCTCGCAGTCAAGCTGCCTGCCAGAGCTGCTG
 CGGTTTCTGGGTGAGAACGTGCATGCCCGAAGAATAAGAACGTGCACATTCTCTGGCAA
 GCTGCTGAGATCTGCCCGCCCTTAAATGGGGTCCGGTTCACCAGCTGCAAGAGCGCTAAG
 GACCGTACAGCCATGTCGGTGCACACTGGAGCAGTGCCTGATCCTGCAACACGAGCATGGC
 ATGGCCCCGAGGTCTTACCCAGGCCCTGGAGTGCATGCGCAGCATTGGAACACGGGAG
 GTAGTACCCAGAAAACTTGAAGCGCCTGGTGGCCATCCGAGACTTAAGGCTAGACCCC
 AGCCTCCTCTGTTCCATCCCTTTATTAGCTCTGAGCCCAATTTACTGATTGTGTGGCTC
 TTTCTGAGCATAGCATACCTGGTGACCAAATTGCGTTGCAAATGA

Restriction Sites: Please inquire

ACCN:	NM_001566
Insert Size:	3300 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 one SNP within the protein associated with this reference, NM_001566.1. The SNP doesn't change amino acid.
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_001566.1</u> , <u>NP_001557.1</u>
RefSeq Size:	3224 bp
RefSeq ORF:	2865 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 (b) contains an alternate exon in the 3' coding region and uses a different stop codon compared to variant a. The resulting isoform (b) is longer and has a distinct C-terminus compared to isoform a.</p>