

## Product datasheet for **SC325413**

### HISPPD2A (PIIP5K1) (NM\_001130858) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HISPPD2A (PIIP5K1) (NM_001130858) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIIP5K1
Synonyms:	HISPPD2A; hsVIP1; IP6K; IPS1; VIP1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001130858, the custom clone sequence may differ by one or more nucleotides

```

ATGTGGTCATTGACGGCCAGTGAGGGCGAGAGTACCACGGCCACTTCTTCTTGGAGCT
GGAGATGAGGGGCTGGGCACCCGTGGAATAGGCATGAGGCCAGAAGAGAGTGACAGCGAG
CTCCTTGAGGATGAGGAGGATGAAGTGCCTCCTGAACCTCAGATCATTGTTGGCATCTGT
GCCATGACCAAGAAATCCAAGTCCAAGCCAATGACTCAAATCCTAGAGCGACTCTGCAGA
TTTGACTACCTGACTGTTGTCTTCTGGGAGAAGATGTAATCCTTAATGAACCTGTGGAA
AACTGGCCATCCTGCCACTGCCTCATCTCTTCCACTCCAAAGGCTTTCCCTCTGGACAAA
GCTGTTGCTTACTCCAAGCTTCGAAACCCCTTTCTTATCAATGATCTGGCCATGCAGTAT
TACATCCAAGATAGGAGGGAGGTGTACCGGATCCTGCAGGAAGAGGGTATTGATCTGCCT
CGATATGCTGTGCTCAACCGTGATCCTGCCCGGCTGAGGAATGCAACCTGATAGAAGGT
GAAGACCAAGTAGAGGTCAATGGAGCTGTCTTTCCCAAGCCCTTTGTGGAGAAGCCAGTG
AGTGCAGAAGACCACAATGTTTACATCTACTACCCAGCTCAGCTGGAGGAGGAAGCCAG
CGTCTCTTTTCGTAAGATTGGCAGCCGAAGCAGTGTCTTACTCTCCTGAGAGCAGCGTCCGA
AAGACGGGGTTCGTACATCTATGAGGAGTTTATGCCAACAGATGGCACAGATGTCAAGGTG
TATACAGTGGGGCCAGATTATGCCCATGCTGAAGCTAGAAAATCTCCAGCTTTGGATGGG
AAGGTTGAACGAGACAGTGAGGGGAAAGAGATTTCGATATCCAGTCATGCTGACTGCCATG
GAAAAGCTGGTGGCCAGGAAAGTCTGCGTAGCTTTCAAGCAAACAGTTTGTGGATTTGAC
CTTCTTCGTGCCAATGGTCATTCTTTGTGTGTGATGTCAATGGCTTTAGTTTTGTCAAG
AACTCGATGAAATACTACGATGACTGTGCCAAGATTCTGGGGAACACCATAATGCGGGAG
CTTGCCCCACAGTTCAGATTCCATGGTCCATCCCCACGGAGGCTGAGGACATTCCCATT
GTTCCCACCACATCTGGCACTATGATGGAACCTCGTTGTGTCATTGCAATTATTCGTCAT
GGGGATCGTACTCCAAGCAGAAGATGAAGATGGAAGTGAACACCCAAGTTTTTTGCT
CTGTTTAAAAACATGGTGGCTACAAGACAGGGAAATTAATACTCAAGCGACCTGAGCAG
CTCCAGGAGGTGCTGGATATCACAAGGCTGTTGTTGGCTGAACTGGAGAAAGAACCAGGT
GGTGAGATCGAGGAGAAGACTGGAAAAGTACAGCAGCTGAAGTCTGTACTGGAGATGAT
GGTCACCTTCTCAGGTATAAACCGGAAGGTACAATTGACTTACTACCTCATGGAGTAAAA
GCTTCTAATGAGGGGCAAGATCCACAGAGGGAACTCTGGCCCCATCTCTGTTGCTGGTA
CTGAAGTGGGGTGGAGAAGTACTCCTGCTGGCCGTGTTGAGGCTGAGGAGCTGGGGCGA
GCTTTTCGCTGCATGTACCCTGGAGGACAGGGTACTATGCTGGCTTCCCTGGTTGTGGG
CTGCTTCGCTCCATAGCACTTTCCGCCACGATCTCAAGTCTATGCCTCTGATGAGGT

```



[View online »](#)

CGTGTTCAAGTACTGCTGCTGCCTTCGCCAAGGGCCTTCTGGCTCTAGAAGGGGAGCTG  
 ACACCCATTTTGGTGCAAATGGTGAAGAGTGCCAAATGAATGGGCTACTGGACAGCGAT  
 GGGGATTCCTTGAGCAGCTGCCAGCACCAGGGTGAAGGCTCGGCTGCACCATATTCTACAG  
 CAGGATGCGCCCTTTGGCCCTGAGGACTACGATCAGCTGGCTCCCACCAGAAGTACTTCC  
 CTGCTCAACTCCATGACTATCATCCAGAATCCTGTGAAGGTCTGTGATCAGGATTTGCC  
 CTGATCGAAAACCTCACCCACCAGATCCGGGAACGAATGCAGGACCCAGGTCTGTAGAC  
 CTGCAGTCTACCACAGTGAGACACTAGAGCTAATGCTACAGCGTTGGAGCAAGTGGAG  
 CGTGACTTTCGACAGAAGAGTGGGCGCTATGATATCAGTAAGATCCCTGACATCTATGAC  
 TGTGTCAAGTATGATGTGCGACACAATGGGAGTCTGGGACTTCAAGGCACAGCAGAGTTG  
 CTCGGTCTCTAAGGCACTGGCTGATGTGGTCATTCCCCAGGAGTACGGGATCAGTCGG  
 GAGGAGAAACTGGAAATGCTGTGGGCTTCTGTCTTCCACTGTTGCGGAAGATACTACTT  
 GACCTGCAGAGAACCACGAGGATGAGTCTGTCAACAAGCTGCATCCCCTCTGTTATCTC  
 AGGTACTCCCAGGCGTGTCTCCCAGGTCGCCACGTTTCAACGCGTCTCTATTTACC  
 AGTGAGAGCCATGTCCACTCCCTGCTCAGTGTCTTCCGTTATGGAGGACTTCTTGATGAG  
 ACCCAGGATGCACAATGGCAGCGAGCTTTGGATTATCTTAGTGCCATCTCAGAGCTTAAC  
 TACATGACCCAGATTGTCATCATGCTTTATGAGGACAACACAGGATCCCTTATCAGAG  
 GAACGGTTCATGTGGAGCTACACTTACGCCCCGAGTGAAGGTGTTGAGGAAGAGGC  
 AGTGCCCCGGCTGGCTGTGGATTCCGTCCAGCCTCTTCTGAGAATGAGGAGATGAAAACC  
 AACCAAGGCAGTATGGAGAACCTGTGTCCAGGAAAGGCATCAGATGAACCAGACCCGGCA  
 TTGCAGACTTACCCACGCTCTGAGGGCCCTGGCCTCCGAGGAGATCACCCCTCATT  
 CGTAACCGAAAAGCTGGTTCCATGGAGGTACTTTCTGAGACTTCACTCGAGGCCTGGT  
 GGCTACCGGCTCTTTTTCATCTTACGGCCACCCACAGAAATGAAGCAGAGTGGCCTAGGC  
 TCACAGTGCACAGGGCTGTTACGACCCACAGTGTGGTGGCTCCTCCAGTCCCCGAAT  
 CTTCAGGACTACGCCCGCAGCCATGGCAAAAAGCTACCACCTGCCAGTCTGAAGCACCGA  
 GATGAGCTCTTGTGTTGCCGGCGTAAAACGATTTTCTGTGTCGTTTCAAAGCATCCG  
 ACTAACGGGTTTGAAGGGTGTTCATGGTGCCTACCATCTACCCTCTGGAACACTGCAT  
 AATGCCCTTTCCCTACGTCAAGTGAAGTGAATTCTTGAGTAGAGTCTGCCAGCGCCACACT  
 GATGCCAGGCACAGGCATCTGCAGCCCTCTTTGATTCCATGCACAGCAGCCAGGCCTCA  
 GATAACCCATTTTCTCCACCACGTACTTCTCATTACCTCCCCTGCAACTCCAGCAGCGC  
 TCTGAGAAGCCCCCTTGGTACAGCAGTGGCCCTTCTAGCACTGTGTCCAGTGTGGTCT  
 TCTTCCCCTACTACAGTAGATGGTAACTCCCAATTTGGCTTCAAGTATCAACCCTCCCTA  
 AATTCACAGTGGCTGAAGAACATCAAGGCCTTGGGCTGTCCAGGAGACCCCTGGGAGT  
 GGAGCACAAAGAGCTCTCCATAGAAGGGGAGCAAGAGCTTTTTGAACCAAAATCAGTCCCCA  
 CAGGTGCCACCTATGAAACCAGCCAGCCATACGAGGAGGTGAGCCAGCCATGTCAGGAG  
 GTCCCTGACATCAGCCAGCCATGCCAGGACATTTCTGAGGCGCTCAGCCAGCCATGTCAG  
 AAGGTCCCTGACATCAGCCAGCAATGCCAGGAGAACCATGACAATGGTAACCACACATGC  
 CAGGAGGTCCCTCACATCAGCCAGCCATGCCAGAAGTCCAGCCAATGTGCCAGAAAGTC  
 TCTGAGGAAGTTTGCCAGCTATGTCTGGAGAATCCGAGGAGGTGAGCCAGCCATGCCAG  
 GGGTCTCTGTGGAGTTGGCAAGCTGGTCCATAAGTTCCATGTAGGGGTTGGTAGCTTG  
 GTCCAGGAAACCCCTTGTAGAAGTTGGCAGCCAGCTGAAGAGATCCCTGAGGAGGTCATC  
 CAGCCATACCAGGAGTTCTGTGGAGTTGGCAGGCTGGCCAGGAGACTTCTGCGATC  
 AATCTGTATCTCAGGGCATCCCTGAGATTGATAAACCATCCCAAGAGTCCCTGAGGAG  
 ATTGATCTGCAGGCCAGGAGTCCCTGAGGAGATAAAAT

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001130858  
**Insert Size:** 5721 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001130858.1</a></u> , <u><a href="#">NP_001124330.1</a></u>
<b>RefSeq Size:</b>	5721 bp
<b>RefSeq ORF:</b>	5721 bp
<b>Locus ID:</b>	9677
<b>UniProt ID:</b>	<u><a href="#">Q6PFW1</a></u>
<b>Cytogenetics:</b>	15q15.3
<b>Gene Summary:</b>	<p>This gene encodes a dual functional inositol kinase. The encoded enzyme converts inositol hexakisphosphate to diphosphoinositol pentakisphosphate and diphosphoinositol pentakisphosphate to bis-diphosphoinositol tetrakisphosphate. This protein may be important for intracellular signaling pathways. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 15.[provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (5) contains an alternate in-frame exon and uses an alternate in-frame splice site at the end of an exon compared to variant 2. The resulting isoform (5) has the same N- and C-termini but is longer compared to isoform 2.</p>