

## Product datasheet for **SC116432**

### IPP (NM\_005897) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IPP (NM_005897) Human Untagged Clone
Tag:	Tag Free
Symbol:	IPP
Synonyms:	KLHL27
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_005897, the custom clone sequence may differ by one or more nucleotides

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ATGGCTAATGAGGACTGTCCCAAGGCTGCTGATAGTCCTTTTTTCATCAGATAAACATGCCCAACTCATCT
TGGCCCAATCAATAAGATGAGAAATGGACAGCATTCTGTGATGTGCAGCTGCAAGTTGGACAGGAAAG
TTTTAAAGCTCATCGGCTGGTTTTGGCTGCCAGCAGTCTTACTTTGCAGCTTTGTTCACTGGAGGAATG
AAAGAGTCTCAAAGATGTTGTACCGATTCTAGGAATTGAAGCAGGAATCTTTCAGATACTTCTAGATT
TCATTTACACAGGTATAGTGAACATAGGTGTGAATAATGTCCAGGAGTTGATTATTGCAGCAGACATGCT
ACAGTTGACTGAAGTTGTTTCATCTTTGCTGTGAATTTCTGAAAGGACAAATTGATCCACTGAACTGCATT
GGAATTTTTTCAGTTCTCTGAGCAAATTCCTGCCATGATCTTTGGAATTCTCAGAAAACACATTCATG
TCCATTTCTTGGAGGTTCAAGTGGAGAAGAGTTCCTGGCACTTACGAAAGATCAGCTGATCAAAATTTT
GCGAAGTGAAGAGCTTAGCATTGAGGATGAATACCAGGCTTCTTAGCTGCAATGCAATGGATTCTGAAA
GATTTGGGAAAAAGAAGAAAACATGTGGTGAAGTCTAGACCCAATTCGATTCCCTTTATTACCTCCTC
AGAGACTTTTAAAGTATATAGAAGGAGTATCCGATTTTAACTCTTCTGTTGCATTGCAAACACTTCTGAA
AGAGTACTGTGAAGTATGCAAATCTCCAAAGAGAACAAGTTTTGTAGTTTTCTGCAGACATCTAAGGTT
CGACCTCGGAAGAAAGCAAGAAAGTACCTGTATGCAGTAGGTGGATATACTCGGTTGCAGGGGGTTCGCT
GGAGTGATAGCAGAGCCCTCAGCTGTGTAGAAGTTTTGACACCTTTAGCCAGTACTGGACCACTGTGTC
TTCACCTCATCAGGCTCGAAGTGGGCTGGGAGTAAACAGTCTGGGAGGGATGGTCTACGCTATTGGAGGT
GAAAAGGATTCAATGATTTTTGATTGTACTGAATGCTATGATCCAGTTACTAAACAGTGGACAACGTAG
CTTCGATGAATCATCCCCGCTGCGGCTTAGGAGTGTGTGTGTGTATGGGGCTATCTATGCTTTGGGTGG
ATGGGTGGAGCTGAGATAGGGAACACCATTGAACGATTTGATCCTGATGAAAATAAATGGGAAGTAGTT
GGTAACATGGCTGTGCACGCTACTACTTTGGGTGCTGTGAAATGCAAGTTTAAATTTATGTAATTGGGG
GCATCAGCAATGAAGGAATAGAACTTCGTTCTTTTGAAGTCTATGATCCACTTTCTAAGCGTTGGTCTCC
ACTTCTCCAATGGGAACCAGGAGAGCATATCTTGGTGTGGCTGCACTCAATGACTGCATCTATTCTGTT
GGAGGATGGAATGAGACCAAGATGCTCTTCACTGTAGAAAAATTCCTTTGAAGAGGAAAAGTGGG
TTGAAGTTGCCTCAATGAAAGTGCCTAGAGCAGGCATGTGTGTTGTGGCAGTCAATGGTCTTCTGTATGT
TTCTGGAGGTCGATCTTCCAGCCATGATTTTTTGGCTCCAGGTACCTGGACTCAGTTGAAGTTTATAAC
CCTCATTAGATACATGGACAGAAATGGTAACATGATCACCAGTCGTTGTGAAGGGGCGTTGCTGTGC
TATGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005897 unedited

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TACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCGGAGGGAAGGGGAAGCGGGC
GGGTAGTAACAGATTATGGGCAACAGTCTTTTAAATTAATCTACCGTCATCATGGCTAAT
GAGGACTGTCCCAAGGCTGCTGATAGTCCTTTTTTCATCAGATAAACATGCCCAACTCATC
TTGGCCCAATCAATAAGATGAGAAATGGACAGCATTCTGTGATGTGCAGCTGCAAGTT
GGACAGGAAAGTTTTAAAGCTCATCGGCTGGTTTTGGCTGCCAGCAGTCTTACTTTGCA
GCTTTGTTCACTGGAGGAATGAAAGAGTCTCAAAGATGTTGTACCGATTCTAGGAATT
GAAGCAGGAATCTTTCAGATACTTCTAGATTTTACATTTACACAGGTATAGTGAACATAGGT
GTGAATAATGTCCAGGAGTTGATTATTGCAGCAGACATGCTACAGTTGACTGAAGTTGTT
CATCTTTGCTGTGAATTTCTGAAAGGACAAATTGATCCACTGAACTGCATTGGAATTTTT
CAGTTCTCTGAGCAAATTCCTGCCATGATCTCTTGGAAATTCAGAAAACACTACATTCAT
GTCCATTTCTTGGAGGTTCAAGTGGAGAAGAGTTCCTGGCACTTACGAAAGATCAGCTG
ATCAAAATTTTGGAAAGTGAAGAGCTTAGCATTGAGGATGAATACCAGGTCTTCTTAGCT
GCATGCAATGGATTCTGAAAGAATTGGGAAAAAGAGAAAACATGTGGTGGNAAGTCTAG
ACCCAATNCGATNCTNTATTACCTNCTCAGAACTTTTAAAGATATAGAAAGAGTATCCGA
TNTAATCTTCTGTGTCATTGCAACCTTCTGAAGAGTCTGGTGAGATGCAATCTCAGAAAA
CAGTTTTGTAGTTTGCACATTTAGGTTCACTCGAAAGCAAAGACTGTGGCTAGTGTA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_005897 unedited GCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTGGAGACAGTTCTCATGCTGT CACCCAGGCCGGTGTGCAGTGGCACAATCTTGGCTCACTGCAGCCTCGACCTCCCGGGCT CAAGCGATCCTGCAACCTCAGCCTCCCAAGCAGATGGGACCACAGGTACAAGCCACAACG CCCGGCTAATTTTTATATATTTTTTGGTAGAGACGGAGTCTCATCACGTTGCCAGGCTA GTCTCGAACTCCTGAGTCAAGCCATCTCCCGTCTCACCTCGGCCTCAAAGTGCTGG GATTACAGGTGTGAGCCACCATGCCAGCCTAAAAAGGGAGAAATTTCTAGGTGCATAC TGCCTGTGGACTGTATAGCCATTACAACATCTGGTCACTAAGAACCTCCTATTAATTC CTTACTTGCATTCTCAGGATCAAGACAAAAATATGAGCAAGCAAAAACTTATCATCAAG CAAAAAGGTATCTATCTATTAATAAGCTAGATATTTCCAAACACCCCTCCTAGGATAT CTGCTGCCAATAAAAAGTTGGGGCTAGTGAAAACCTTGGCATTAAATAAAGTAGGAA TCTATTTTCATTGGCTTTCTGTGGCTCAAACATGGCCATGGAAAATTATGCTCTGGAT ATAATTGTGAATATAGAGGTCTTAAACTGTGTCATTGACACTATTCCTATATCACATAA AGTTTTATGTTACAATTTATACTGCACTGGAGAAGTAGCTAAAGGGGACTATTTGCCAGA AGCTTCTAGTAAATAATTTCTACAAATTGAAAAAGGGAGCTGTCTACACTTAAACTGGA GAATTCTACAGCATATATGGCATTCTATTATTAGTAAACCTGGNCAATCTGTGTGAGCT CTTTATAAATGGGATTATTNCATTCCATTCCACTCATATTTTAGAAATCATTCTGAGTNA TCNT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005897
<b>Insert Size:</b>	2880 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>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_005897.1</a></u> , <u><a href="#">NP_005888.1</a></u>
<b>RefSeq Size:</b>	3060 bp
<b>RefSeq ORF:</b>	1755 bp
<b>Locus ID:</b>	3652
<b>UniProt ID:</b>	<u><a href="#">Q9Y573</a></u>
<b>Cytogenetics:</b>	1p34.1
<b>Domains:</b>	BTB, Kelch

**Gene Summary:**

The protein encoded by this gene is a member of the kelch family of proteins, which is characterized by a 50 amino acid repeat which interacts with actin. Transcript variants have been described but their full-length nature has not been determined. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.