

## Product datasheet for SC311119

### HIPK2 (NM\_022740) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HIPK2 (NM_022740) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIPK2
Synonyms:	PRO0593
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_022740 edited  
 ATGGCCCCGTGTACGAAGGTATGGCCTCACATGTGCAAGTTTTCTCCCCTCACACCCTT  
 CAATCAAGTGCCTTCTGTAGTGTGAAGAACTGAAAATAGAGCCGAGTTCCAAGTGGAC  
 ATGACTGGGTACGGCTCCACAGCAAAGTGTATAGCCAGAGCAAGAACATCCCCCTGTGC  
 CAGCCAGCCACCAACCGTCAGCACCTCCTTGCCGGTCCCAAACCAAGCCTACCTTAC  
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 ACTTCTGTACCGGGCAAGTCTCGGGGACCACACAACCTAATGCGTCGAAGCACTGTG  
 AGCCTCCTTGATACCTACCAAAAATGTGGACTCAAGCGTAAGAGCGAGGAGATCGAGAAC  
 ACAAGCAGCGTGCAGATCATCGAGGAGCATCCACCCATGATTGAGAATAATGCAAGCGGG  
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AGTCAGTATCCAGCCCAATTTGCCACACAGACCTACATCAGCGCTCGCCAGCCTCCACC
GTCTACACTGGATACCACTGAGCCCCCAAGGTCAACCAAGTACCCCTACATATAA

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- Restriction Sites:** Please inquire
- ACCN:** NM\_022740
- Insert Size:** 4200 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 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).

<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>NM_022740.2, NP_073577.2</u>
<b>RefSeq Size:</b>	2801 bp
<b>RefSeq ORF:</b>	2448 bp
<b>Locus ID:</b>	28996
<b>UniProt ID:</b>	<u>Q9H2X6</u>
<b>Cytogenetics:</b>	7q34
<b>Domains:</b>	pkinase, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a conserved serine/threonine kinase that is a member of the homeodomain-interacting protein kinase family. The encoded protein interacts with homeodomain transcription factors and many other transcription factors such as p53, and can function as both a corepressor and a coactivator depending on the transcription factor and its subcellular localization. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (1) encodes the full-length 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.</p>