

Product datasheet for **SC318547**

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318547 representing NM_022740. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCCGTGTACGAAGGTATGGCCTCACATGTGCAAGTTTTCTCCCCTCACACCCTTCAATCAAGT
GCCTTCTGTAGTGTGAAGAACTGAAAATAGAGCCGAGTTCCAAGTGGGACATGACTGGGTACGGCTCC
CACAGCAAAGTGTATAGCCAGAGCAAGAACATCCCCTGTGCGAGCCAGCCACCACAACCGTCAGCACC
TCCTTGCCGGTCCAAACCAAGCCTACCTTACGAGCAGACCATCGTCTTCCCAGGAAGCACCAGGGCAC
ATCGTGGTCACCTCAGCAAGCAGCACTTCTGTCACCGGGCAAGTCTCGGCGGACCACACAACCTAATG
CGTCGAAGCACTGTGAGCCTCCTTGATACCTACCAAAAAATGTGGACTCAAGCGTAAGAGCGAGGAGATC
GAGAACACAAGCAGCGTGCAGATCATCGAGGAGCATCCACCCATGATTCAGAATAATGCAAGCGGGGCC
ACTGTGCGCCACTGCCACCACGTCTACTGCCACCTCCAAAAACAGCGGCTCCAACAGCGAGGGCGACTAT
CAGCTGGTGCAGCATGAGGTGCTGTGCTCCATGACCAACACCTACGAGGTCTTAGAGTCTTGGGCCGA
GGGACGTTTGGGCAAGTGGTCAAGTGTGGAAACGGGGCACCATGAGATCGTAGCCATCAAGATCCTG
AAGAACCACCCATCCTATGCCCGACAAGGTGAGATTGAAGTGAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
AGTGCCGATGACTATAACTTCGTCGGGCTACGAATGCTTCCAGCACAAGAACCACACGTGCTTGGTC
TTCGAGATGTTGGAGCAGAACCTCTATGACTTTCTGAAGCAAAACAAGTTTAGCCCTTGCCCTCAAA
TACATTCGCCAGTTCTCCAGCAGGTAGCCACAGCCCTGATGAAACTCAAAGCCTAGGTTTATCCAC
GCTGACCTCAAACCAGAAAACATCATGCTGGTGGATCCATCTAGACAACCATACAGAGTCAAGGTCAATC
GACTTTGGTTGAGCCAGCCACGTCTCCAAGGCTGTGTGCTCCACCTACTTGCAGTCCAGATATTACAGG
GCCCTGAGATCATCCTTGGTTTACCATTTTGTGAGGCAATTGACATGTGGTCCCTGGGCTGTGTTATT
GCAGAATTGTTCTGGTTGGCCGTTATATCCAGGAGCTTCGGAGTATGATCAGATTGCGTATATTTCA
CAAACACAGGGTTTGCCTGCTGAATATTTATTAAGCGCCGGGACAAGACAAGTGGTTTTTCAACCGT
GACACGGACTCACCATATCCTTTGTGGAGACTGAAGACACCAGATGACCATGAAGCAGAGACAGGGATT
AAGTCAAAGAAGCAAGAAAGTACATTTTCAACTGTTTAGATGATATGGCCAGGTGAACATGACGACA
GATTTGGAAGGGAGCGACATGTTGGTAGAAAAGGCTGACCGCGGGAGTTCATTGACCTGTTGAAGAAG
```

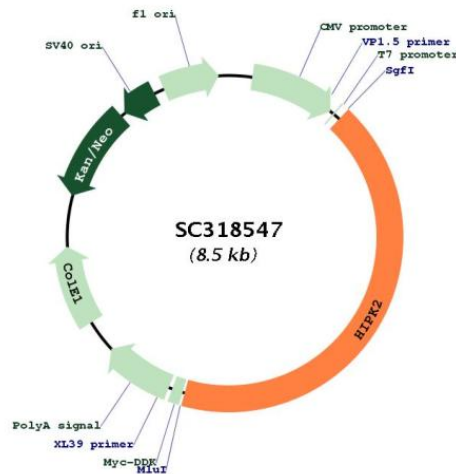


[View online »](#)

ATGCTGACCATTGATGCTGACAAGAGAATCACTCCAATCGAAACCTGAACCATCCCTTTGTCACCATG
 ACACACTTACTCGATTTTCCCCACAGCACACACGTCAAATCATGTTTCCAGAACATGGAGATCTGCAAG
 CGTCGGGTGAATATGTATGACACGGTGAACCAGAGCAAAACCCCTTTCATCACGCACGTGGCCCCCAGC
 ACGTCCACCAACCTGACCATGACCTTAAACAACCAGCTGACCACTGTCCACAACCAGGCTCCCTCTCT
 ACCAGTGCCACTATTTCCCTTAGCCAATCCCGAAGTCTCCATACTAACTACCCATCTACACTCTACCAG
 CCCTCAGCGGCATCCATGGCTGCAGTGGCCAGCGGAGCATGCCCTGCAGACAGGAACAGCCCAGATT
 TGTGCCCGGCTGACCCGTTCCAGCAAGCTCTCATCGTGTGTCCCCCGGCTTCCAAGGCTTGCAGGCC
 TCTCCCTCTAAGCACGCTGGCTACTCGGTGCGAATGGAAAATGCAGTTCCCATCGTCACTCAAGCCCCA
 GGAGCTCAGCCTCTTTCAGATCCAACCAGGTCTGCTTGCCAGCAGGCTTGGCCAAGTGGGACCCAGCAG
 ATCCTGCTTCCCCAGCATGGCAGCAACTGACTGGAGTGGCCACCCACACATCAGTGCAGCATGCCACC
 GTGATTCGAGACCATGGCAGGCACCCAGCAGCTGGCGGACTGGAGAAATACGCATGCTCACGGAAGC
 CATTATAATCCCATCATGCAGCAGCCTGCACTATTGACCGGTCTGTGACCCTTCCAGCAGCACAGCCC
 TTAATGTGGGTGTGGCCACGTGATGCGGCAGCAGCCAACCAGCACCTCTCCCGAAGAGTAAG
 CAGCACCAGTCTGTGAGAAATGTCTCCACCTGTGAGGTGTCTCTCTCAGGCCATCAGCTCCCCA
 CAGCGATCCAAGCGTGTCAAGGAGAACACACTCCCCGCTGTGCCATGGTGCACAGTAGCCCGGCTGC
 AGCACCTCGGTCACTGTGGGTGGGGCAGCTGGCCTCCAGCACCCCGGGAACGGCAGCGGCAGACA
 ATTGTCAATCCCAGACTCCCAGCCCCAGGTCAGCGTCACTACCATCAGCAGTGACACGGACGAGGAG
 GAGGAACAGAAACAGCCCCACAGCACTGTCTCCAAGCAAAGAAAAACGTCATCAGCTGTGTACA
 GTCCACGACTCCCCCTACTCCGACTCTCCAGCAACACCAGCCCCCTACTCCGTGCAGCAGCGTGTGGG
 CACAACAATGCCAATGCCTTTGACACCAAGGGGAGCCTGGAGAATCACTGCACGGGGAACCCCCGAACC
 ATCATCGTGCCACCCCTGAAAACCCAGGCCAGCGAAGTATTGGTGGAGTGTGATAGCCTGGTGCCAGTC
 AACACCAGTCACTCGTCTCTACAAGTCCAAGTCTCCAGCAACGTGACCTCCACCAGCGGTAC
 TCTTCAGGGAGCTCATCTGGAGCCATCACCTACCGGCAGCAGCGCCGGGCCCACTTCCAGCAGCAG
 CAGCCACTCAATCTCAGCCAGGCTCAGCAGCACATCACCACGGACCGCACTGGGAGCCACCGAAGGCAG
 CAGGCCTACATCACTCCCACCATGGCCAGGCTCCGTACTCTTCCCGCACAACAGCCCCAGCCACGGC
 ACTGTGCACCCGCATCTGGCTGCAGCCGCTGCCGCTGCCACCTCCCCACCCAGCCCCACCTCTACACC
 TACTGCGCCGGCGGCCCTGGGCTCCACCGGCACCGTGGCCACCTGGTGGCCTCGCAAGGCTCTGCG
 CGCCACACCGTGCAGCACACTGCCTACCAGCCAGCATCGTCCACCAGGTCCCCGTGAGCATGGGCCCC
 CGGGTCTGCCCTCGCCACCATCCACCCGAGTCAGTATCCAGCCCAATTTGCCACCAGACCTACATC
 AGCGCCTCGCCAGCCTCCACCGTCTACTGGATACCCACTGAGCCCCGCAAGGTCAACCAGTACCCT
 TACATATAA
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

Sgfl-Mlul

Plasmid Map:


ACCN: NM_022740

Insert Size: 3597 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).

Reconstitution Method:

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: [NM_022740.4](#)

RefSeq Size: 15245 bp

RefSeq ORF: 3597 bp

Locus ID: 28996

UniProt ID: [Q9H2X6](#)

Cytogenetics: 7q34

Domains:	ptkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase, Transcription Factors
MW:	131 kDa
Gene Summary:	<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>