

Product datasheet for **SC127889**

HIPK1 (NM_152696) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | HIPK1 (NM_152696) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | HIPK1 |
| Synonyms: | Myak; Nbak2 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_152696, the custom clone sequence may differ by one or more nucleotides |

```

ATGGCATCACAGCTGCAAGTGTTTTGCGCCCCATCAGTGTGCGTGCAGTGCCTTCTGCAGTGCGAAGAAAC
TGAAAATAGAGCCCTCTGGCTGGGATGTTTCAGGACAGAGTAGCAACGACAAATATTATACCCACAGCAA
AACCTCCAGCCACACAAGGGCAAGCCAACTCCTCACCAGGTAGCAAATTTCAACATCCCTGCTTAC
GACCAGGGCCTCCTCCTCCAGCTCCTGCAGTGGAGCATATTGTTGTAACAGCCGCTGATAGCTCGGGCA
GTGCTGTACATCAACCTTCCAAAGCAGCCAGACCCTGACTCACAGAAGCAACGTTTCTTTGCTTGAGCC
ATATCAAAAATGTGGATTGAAACGAAAAAGTGAGGAAGTTGACAGCAACGGTAGTGTGCAGATCATAGAA
GAACATCCCCCTCATGCTGCAAAACAGGACTGTGGTGGGTGCTGCTGCCACAACCACCACTGTGACCA
CAAAGAGTAGCAGTTCAGCGGAGAAGGGGATTACCAGCTGGTCCAGCATGAGATCCTTTGCTCTATGAC
CAATAGCTATGAAGTCTTGGAGTTCCTAGGCCGGGGACATTTGGACAGGTGGCTAAGTGTGGAAGAGG
AGCACCAAGGAAATGTGGCTATTAATACTTGAAGAACCACCCCTCCTATGCCAGACAAGGACAGATTG
AAGTGAGCATCCTTTCCCGCCTAAGCAGTGAAAATGCTGATGAGTATAATTTTGTCCGTTTCATACGAGTG
CTTTCAGCATAAGAATCACACCTGCCTTGTGTTTGAATGTTGGAGCAGAACTTATATGATTTTCTAAAG
CAAAACAATTTAGCCCACTGCCACTCAAGTACATCAGACCAATCTTGCAGCAGGTGGCCACAGCCTTGA
TGAAGCTCAAGAGTCTTGGTCTGATCCACGCTGACCTTAAGCCTGAAAACATCATGCTGGTTGATCCAGT
TCGCCAGCCCTACCGAGTGAAGGTCATTGACTTTGGTTCTGCTAGTACGTTTTCCAAAGCTGTGTGCTCA
ACCTACTTACAGTACGTTACTACAGAGCTCCTGAAATTATTCTTGGGTTACCATTTTGTGAAGCTATTG
ATATGTGGTCACTGGGCTGTGTGATAGCTGAGCTGTTCCCTGGGATGGCCTCTTTATCCTGGTGTCTCAGA
ATATGATCAGATTCGTTATATTTCAAAACACAAGGCTTGCCAGCTGAATATCTTCTCAGTGCCGGAACA
AAAACAACCAGGTTTTTCAACAGAGATCCTAATTTGGGGTACCCACTGTGGAGGCTTAAGACACCTGAAG
AACATGAACTGGAGACTGGAATAAAATCAAAGAAGCTCGGAAGTACATTTTTAATTGCTTAGATGACAT
GGCTCAGGTGAATATGTCTACAGACCTGGAGGGAACAGACATGTTGCCAGAGAAGGCAGACCGAAGAGAA
TACATTGATCTGTTAAAGAAAATGCTCACAATTGATGCAGATAAGAGAATTACCCTCTAAAACCTTA
ACCATCAGTTTGTGACAATGACTCACCTTTGGATTTCCACATAGCAATCATGTTAAGTCTTGTGTTTCA

```



[View online »](#)

GAACATGGAGATCTGCAAGCGGAGGGTTACATGTATGATACAGTGAGTCAGATCAAGAGTCCCTTCACT
 ACACATGTTGCCCAAATACAAGCACAATCTAACCATGAGCTTCAGCAATCAGCTCAATACAGTGCACA
 ATCAGGCCAGTGTCTAGCTTCCAGTTCTACTGCAGCAGCTGCTACTCTTCTCTGGTAATTCAGATGT
 CTCCTACTAACTACCAGTCAGCTTTGTACCCATCATCTGCTGCACCAGTTCCTGGAGTTGCCAGCAG
 GGTGTTTCTTGCAGCCTGGAACCAACAGATTGCACTCAGACAGATCCATTCCAACAGACATTTATAG
 TATGTCACCTGCGTTTCAAACCTGGACTACAAGCAACAACAAGCATTCTGGATTCCCTGTGAGGATGGA
 TAATGCTGTACCGATTGTACCCAGGCACCACTGCTCAGCCACTACAGATTCAGTCAGGAGTTCACAG
 CAGGGAAGCTGTACACCACTAATGGTAGCAACTCTCCACCCTCAAGTAGCCACCATCACACCGCAGTATG
 CGGTGCCCTTTACTCTGAGCTGCGCAGCCGCGCCGCGCTGTTGAACAGACTGCCGCTGACTGCA
 GGCGTGGCTGGAGGGACTCAGCAAATTCCTGCCTTCAACTTGGCAACAGTTGCCTGGGGTAGCTCTA
 CACAACCTGTCCAGCCACAGCAATGATTCCAGAGGCCATGGGAGTGGACAGCAGCTAGCTGACTGGA
 GGAATGCCACTCTCATGGCAACAGTACAGCACTATCATGCAGCAGCCATCCTTGTGACTAACCATGT
 GACATTGGCCACTGCTCAGCCTCTGAATGTTGGTGTGCCATGTTGTCAGACAACAACATCCAGTTCC
 CTCCTTGAAGAAGAATAAGCAGTCAGCTCCAGTCTCTTCAAGTCTCTAGATGTTCTGCCTCCC
 AAGTCTATTCTGTTGGGAGCAGTCCCCTCCGACCACATCTTCTTATAATTCCTTGGTCCCTGTCCA
 AGATCAGCATCAGCCATCATCATTCCAGATACTCCAGCCCTCCTGTGAGTGTATCACTATCCGAAGT
 GACACTGATGAGGAAGAGGACAACAATACAAGCCAGTACTCTGGACTGAAGCCAAGGTCTAATGTCA
 TCAGTTATGCTACTGTCAATGATTCTCCAGACTGACTCTTCTTTGAGCAGCCCTTATCCACTGATAC
 CCTGAGTGCTCTCCGAGGCAATAGTGGATCCGTTTTGGAGGGCCCTGGCAGAGTTGTGGCAGATGGCACT
 GGCACCCGCACTATCATTGTGCCCTCACTGAAACTCAGCTTGGTACTGCACTGTAGCAACCCAGGCCCT
 CAGGTCTCCTGAGCAATAAGACTAAGCCAGTCGCTTCAAGTGGGAGTGGCAGTATCTGGATGCTGTATCAC
 CCCACAGGGTATCGAGCTCAACGCGGGGGGACCAGTGCAGCACAACCACTCAATCTTAGCCAGGTAAGT
 GCTATGGGCTACTGCCTTCTGTTTGGGCCCTGCACTGTTGTTACTTTCTGGAGAACCCTGCTTCTGGCTG
 ATGCTGA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_152696 unedited
 TGTAATACGACTACTATAGGGCGGCCGAATTCNGCACCAGGCAGTGCAGGGGGGCG
 GGAAGTCCAGGCCCGCACTCTATCCACGCTGGCTCCCTACGGAGGCCACCTACTCGAG
 GCCCACCAGTCTACTGCAATCAGTACTATGCGATCGTCTAGAGAGTCCATTACAGTG
 CACTTCCGCTCAGTATGGCATCACAGCTGCAAGTGTTCGCCCCATCAGTGTGTCG
 AATGCCTTCTGCAATGGCAAAAACTGAAAATAAAACCTCTGGCTGGGATGTTCAAGA
 CAGAATATCCACCACCAATATTATACCCCAAGCAAAACCTCTCAGCCACACAAAGGCAA
 ACCAACTTCTTACCCGGTTACAAAATTTAAAATTCCTGGGTTTACAAACAGGGGCTTC
 TTTTTTCAATTTCTGGAGTTGGAAACATATTTGTTTTAACCACCCCTTATATACTTT
 CGGCAATTGTGCTTAAATATAAACTTCCAAAGAAGACCCGAACCCCTGGTCTTCATA
 AAAACAACCGTTTTTTTTTGTGGGCCCATTTATAAAAATAATGTGGTGTGTGAA
 ACCAACAATAAATGTAGGAATTTTACCACCCCGGGTGTGGTGGCGTTTTCTTAA
 GAAAGAACAATCCCCCTTCTAATTGTTTGAATAAATAAAGGAATTGTGGGTGGGGC
 TGGCTTGGCCAAAACACCCCTTGGTGGCCCAAAAGAAAGTACTCTTCTCTCGCCG
 GAGAAGGGGGTTTACCACTGGTCTCCACCAAGAGATTCTTTGGTCTTGAACCAAT
 ACCCATAAACTCTTGGGGTTCCC

| | |
|-------------------------------------|---|
| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_152696 unedited GCACCTCCACGCCAGGAGAGGCACTGGGGANGGGTACAGGGATGCCACCCGGGATCTGTT CAGGAAACAGCTATGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTT GTTTTAAAAGCATTATAGAAATCAAGTCAGAGAGACAAATATTTTTCAGAGGGTAACT TCAGAACAATCTCTTCTTGGTAACTGCAGAAGATGGGCATCTGAACCTTCCAAGTA CCAAAATTACTGTCACAAAAATAATGAATTTAAAAATAGGGCAAACCTTTGAGAAGACTAC AACAAATGCAGTCAACACTGAGACAGGTTCCCCCAGAGAAAAACCTTCTGCTTCAGTGGC CCCTGCAGAACAAGTTGCTGGCTAAGAAATTTCAAGAGGGTAAAGGAGGATCTCTCCATA GCCCAATATTAAGAACGCAGGGCCAGGAGAAGGTAGCCATGATTCTCCTCCCTCATGCT CACCAACTATAAGTAGGAATACTGGCTGATCTTGGTAGGACTCAGCGGGTATCCAGTGTA AATTGTTGAGCCTCGGGAAGACCAATGTAGGATTGGTGGCAAACCTGGTGTGTTCTGGA CGGGGCCCGCTGGCAAAGTGAGAGGCTGCCCCAACCTGCAGGGAACCTGTGCACCCAATG CCTGGGTAGTGGATAGCTGCACCTGCCTGGAGAACCTGTGGGAGAAGTGACCATGGACTG TTACCATGTGAACCAATCGGCCACT |
| Restriction Sites: | Please inquire |
| ACCN: | NM_152696 |
| Insert Size: | 4500 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). |
| 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: | NM_152696.3 , NP_689909.2 |
| RefSeq Size: | 3438 bp |
| RefSeq ORF: | 3228 bp |
| Locus ID: | 204851 |
| UniProt ID: | Q86Z02 |
| Cytogenetics: | 1p13.2 |
| Protein Families: | Druggable Genome, Protein Kinase, Transcription Factors |

Gene Summary:

The protein encoded by this gene belongs to the Ser/Thr family of protein kinases and HIPK subfamily. It phosphorylates homeodomain transcription factors and may also function as a co-repressor for homeodomain transcription factors. Alternative splicing results in four transcript variants encoding four distinct isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) has a distinct 3' UTR and coding region, compared to variant 1. This results in a protein (isoform 2) which is shorter and has a distinct C-terminus, compared to isoform 1.