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Product datasheet for SC111529

HIPK4 (NM_144685) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIPK4 (NM_144685) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIPK4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for NM_144685 edited
AGAGCCACTCAACAGCGCTGGAACCCATTCGGTGGGGCCTGGGGCCCCTCATCCCAAGCC
AGGAGGGTTTCTGGGGAGGGGTGCAGCCCCTGGCAGACTGACAGTGTGGCCTGGGGGTTT
GGGGGTGCCAGGGAAGCAGGGGCCAACCTCATAGGAGGAGACACGAGTGCGGTTCTCTTT
CCCCCACTGGGGGGCCTGCTGTGTCAGCAGCCAGGCGGGAGGCCTGGGCGGCAGAGCCAG
TGGTACAGGGGCCTGGGCAGGGCGGTGTCTGGCAGCAGCGGCACCATGTCCACCATCCAG
TCGGAGACTGACTGCTACGACATCATCGAGGTCTTGGGCAAGGGGACCTTCGGGGAGGTA
GCCAAGGGCTGGCGGCGGAGCACGGGCGAGATGGTGGCCATCAAGATCCTCAAGAATGAC
GCCTACCGCAACCGCATCATCAAAAACGAGCTGAAGCTGCTGCACTGCATGCGAGGCCTA
GACCCTGAAGAGGCCCACGTCATCCGCTTCCTTGAGTTCTTCCATGACGCCCTCAAGTTC
TACCTGGTCTTTGAGCTGCTGGAGCAAAACCTTTTCGAGTTCCAGAAGGAGAACAACTTC
GCGCCCCTCCCCGCCCGCCACATCCGTACAGTCACCCTGCAGGTGCTCACAGCCCTGGCC
CGGCTCAAGGAGCTGGCTATCATCCACGCTGATCTCAAGCCTGAGAACATCATGCTGGTG
GACCAGACCCGCTGCCCCTTCAGGGTCAAGGTGATTGACTTCGGATCCGCCAGCATTTTC
AGCGAGGTGCGCTACGTGAAGGAGCCATACATCCAGTCGCGCTTCTACCGGGCCCCTGAG
ATCCTGCTGGGGCTGCCCTTCTGCGAGAAGGTGGACGTGTGGTCCCTGGGCTGCGTCATG
GCTGAGCTGCACCTGGGCTGGCCTCTCTACCCCGGCAACAACGAGTACGACCAGGTGCGC
TACATCTGCGAAACCCAGGGCCTGCCCAAGCCACACCTGTTGCACGCCGCCTGCAAGGCC
CACCACTTCTTCAAGCGCAACCCCCACCCTGACGCTGCCAACCCCTGGCAGCTCAAGTCC
TCGGCTGACTACCTGGCCGAGACGAAGGTGCGCCCATTGGAGCGCCGCAAGTATATGCTC
AAGTCGTTGGACCAGATTGAGACAGTGAATGGTGGCAGTGTGGCCAGTCGGCTAACCTTC
CCTGACCGGGAGGCGCTGGCGGAGCACGCCGACCTCAAGAGCATGGTGGAGCTGATCAAG
CGCATGCTGACCTGGGAGTCACACGAACGCATCAGCCCCAGTGCTGCCCTGCGCCACCCC
TTCGTGTCCATGCAGCAGCTGCGCAGTGCCCACGAGACCACCCACTACTACCAGCTCTCG
CTGCGCAGCTACCGCCTCTCGCTGCAAGTGGAGGGGAAGCCCCCCACGCCCGTCGTGGCC
GCAGAAGATGGGACCCCCTACTACTGTCTGGCTGAGGAGAAGGAGGCTGCGGGTATGGGC
AGTGTGGCCGGCAGCAGCCCCTTCTTCCGAGAGGAGAAGGCACCAGGTATGCAAAGAGCC
ATCGACCAGCTGGATGACCTGAGTCTGCAGGAGGCTGGGCATGGGCTGTGGGGTGAGACC
TGCACCAATGCGGTCTCCGACATGATGGTCCCCCTCAAGGCAGCCATCACTGGCCACCAT
GTGCCCGACTCGGGCCCTGAGCCCATCCTGGCCTTCTACAGCAGCCGCCTGGCAGGCCGC
CACAAGGCCCGCAAGCCACCTGCGGGTTCCAAGTCCGACTCCAACTTCAGCAACCTCATT
CGGCTGAGCCAGGTCTCGCCTGAGGATGACAGGCCCTGCCGGGGCAGCAGCTGGGAGGAA
GGAGAGCATCTCGGGGCCTCTGCTGAGCCACTGGCCATCCTGCAGCGAGATGAGGATGGG
CCCAACATTGACAACATGACCATGGAAGCTGAGAGGCCAGACCCTGAGCTCTTCGACCCC
AGCAGCTGTCCTGGAGAATGGCTGAGTGAGCCAGACTGCACCCTGGAGAGCGTCAGGGGC
CCACGGGCTCAGGGGCTCCCACCCCGCCGCTCCCACCAGCATGGTCCACCCCGGGGGGCC
ACCAGCTTCCTCCAGCATGTCACCGGGCACCACTGATGGTGATTCCACCCCTGCCCATCA
CTGGGGGCTGCGCTAGCTGGGCTGGCATTCCCTCCCAACCTGAACTGCTCCTCAGAGCCA
TCTCCTGAACCCACAAATTATTCTTACAGAAAGATAGTTATCCAGAAATTCTCATTCCCC
GTCTGCGGTGCGGTGCGTGCCTGCACACCTCTCCTAAACACAGCAGGGCTTTGGAGTCTG
GCCCATGCTCCTTGGCCAGAAGGACAGCAGGAAAGGGGGCTGCACCCCGCTGGCCCTGCG
CTCGCCCTTGGCCCTGCTGCCTCTGTCTATTTCAATATAGAACTGTTCAGCAAAAAAAAA
AAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144685 unedited
AGCATTTTGTAATACGACTCACTATAGGGCGGCCGCATAACTTCGTATAGCATACATTAT
ACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGAGAGCCAC
TCAACAGCGCTGGAACCCATTCGGTGGGGCCTGGGGCCCCTCATCCCAAGCCAGGAGGGT
TTCTGGGGAGGGGTGCAGCCCCTGGCAGACTGACAGTGTGGCCTGGGGGTTTGGGGGTGC
CAGGGAAGCAGGGGCCAACCTCATAGGAGGAGACACGAGTGCGGTTCTCTTTCCCCCACT
GGGGGGCCTGCTGTGTCAGCAGCCAGGCGGGAGGCCTGGGCGGCAGAGCCAGTGGTACAG
GGGCCTGGGCAGGGCGGTGTCTGGCAGCAGCGGCACCATGTCCACCATCCAGTCGGAGAC
TGACTGCTACGACATCATCGAGGTCTTGGGCAAGGGGACCTTCGGGGAGGTAGCCAAGGG
CTGGCGGCGGAGCACGGGCGAGATGGTGGCCATCAAGATCCTCAAGAATGACGCCTACCG
CAACCGCATCATCAAAAACGAGCTGAAGCTGCTGCACTGCATGCGAGGCCTAGACCCTGA
AGAGGCCCACGTCATCCGCTTCCCTGAGTTCTTCCATGACGCCCTCAAGTTCTACCTGGT
CTTTGAGCTGCTGGAACAAAACCTTTTCGGTTTCAAAAGGGAAACAACTTTGGGCCCCTT
CCCGCCCGCCAAATCGTTCAGTACCCCTGGAGGGGGCTCACAACCCTGGCCCGCTCAAGG
AACTGGCTTAATCCCCCCTATTTTAACCCTGAAAACATCGGCTGGGGACCCAACCCCCGG
CCCTTAGGGGCAAGGGAATTGATTCGTACCCCCACACTTTTCACGAGGGCCCTTCTGAAA
GAACCCAATTCACGTGGCCTTATCCGCGGCCACGAAACC

Restriction Sites: Please inquire

ACCN: NM_144685

Insert Size: 2472 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:
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_144685.3, NP_653286.2

RefSeq Size: 2467 bp

RefSeq ORF: 1851 bp

Locus ID: 147746

UniProt ID: Q8NE63

Cytogenetics: 19q13.2

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes a member of the homeodomain interacting protein kinase (HIPK) family of proteins. While other members of this family are found throughout vertebrates, this member is present only in mammals. Compared to other members of this family, the encoded protein lacks a nuclear localization signal and a C-terminal autoinhibitory domain. The encoded protein exhibits kinase activity and may phosphorylate the tumor suppressor protein p53. [provided by RefSeq, Jul 2016]