

Product datasheet for **RC205549**

HIPK4 (NM_144685) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIPK4 (NM_144685) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HIPK4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC205549 representing NM_144685
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCACCATCCAGTCCGAGACTGACTGCTACGACATCATCGAGGTCTTGGCAAGGGGACCTTCGGGG
 AGGTAGCCAAGGCTGGCGGCGAGCACGGCGAGATGGTGGCCATCAAGATCCTCAAGAATGACGCCTA
 CCGCAACCGCATCATCAAAAACGAGCTGAAGCTGCTGCACTGCATGCGAGGCCTAGACCCGAAAGAGGCC
 CACGTCATCCGCTTCTTGTGATTCTTCCATGACGCCCTCAAGTTCTACCTGGTCTTTGAGCTGCTGGAGC
 AAAACCTTTTCGAGTTCCAGAAGGAGAACAACCTTCGCGCCCTCCCGCCCGCCACATCCGTACAGTCAC
 CCTGCAGGTGCTCACAGCCCTGGCCCGGCTCAAGGAGTGGCTATCATCCACGCTGATCTCAAGCCTGAG
 AACATCATGCTGGTGGACCAGACCCGCTGCCCTTCAGGGTCAAGGTGATTGACTTCGGATCCGCCAGCA
 TTTTCAGCGAGGTGCGCTACGTGAAGGAGCCATACATCCAGTCCGCTTCTACCGGGCCCTGAGATCCT
 GCTGGGGCTGCCCTTCTGCGAGAAGGTGGACGTGTGGTCCCTGGGCTGCGTCATGGCTGAGCTGCACCTG
 GGCTGGCCTCTCTACCCGGCAACAACGAGTACGACCAGGTGCGTACATCTGCGAAACCCAGGGCCTGC
 CCAAGCCACACCTGTTGCACGCCGCTGCAAGGCCACCATTCTTCAAGCGCAACCCCAACCTGACGC
 TGCCAACCCCTGGCAGCTCAAGTCTCGGCTGACTACCTGGCCGAGACGAAGGTGCGCCATTGGAGCGC
 CGCAAGTATATGCTCAAGTCGTTGGACCAGATTGAGACAGTGAATGGTGGCAGTGTGGCCAGTCCGGTAA
 CCTTCCCTGACCGGGAGGCGCTGGCGGAGCACGCCGACCTCAAGAGCATGGTGGAGCTGATCAAGCGCAT
 GCTGACCTGGGAGTCACACGAACGCATCAGCCCCAGTGTGCCCTGCGCCACCCCTTCGTGTCCATGCAG
 CAGCTGCGCAGTGCCACGAGACCAACCCACTACTACCAGCTCTGCTGCGCAGCTACCGCCTCTCGCTGC
 AAGTGGAGGGGAAGCCCCACGCCCTGTGGCCGAGAAAGTGGGACCCCTACTACTGTCTGGCTGA
 GGAGAAGGAGGCTGCGGGTATGGGCAGTGTGGCCGGCAGCAGCCCTTCTTCCGAGAGGAGAAGGCCACA
 GGTATGCAAAGAGCCATCGACCAGCTGGATGACCTGAGTCTGCGAGGAGTGGGCATGGGCTGTGGGGTG
 AGACCTGCACCAATGCGGTCTCCGACATGATGGTCCCCCTCAAGGCAGCCATCACTGGCCACCATGTGCC
 CGACTCGGGCCCTGAGCCATCTGGCCTTCTACAGCAGCCGCTGGCAGGCCGCCACAAGGCCCGCAAG
 CCACCTGCGGGTCCAAGTCCGACTCCAACCTCAGCAACCTATTGCGCTGAGCCAGGTCTCGCCTGAGG
 ATGACAGGCCCTGCCGGGCAGCAGCTGGGAGGAAGGAGAGCATCTCGGGCCTCTGCTGAGCCACTGGC
 CATCTGCAGCGAGATGAGGATGGGCCAACATTGACAACATGACCATGGAAGCTGAGAGGCCAGACCCCT
 GAGCTCTTCGACCCAGCAGCTGCTCTGGAGAATGGCTGAGTGAAGCAGACTGCACCCTGGAGAGCGTCA
 GGGGCCACGGGCTCAGGGGCTCCACCCCGCCGCTCCACCCAGCATGGTCCACCCCGGGGGGCCACCAG
 CTTCTCCAGCATGTCACCGGGCACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205549 representing NM_144685
 Red=Cloning site Green=Tags(s)

MSTIQSETDCYDIIIEVLGKGTGFEVAKGWRRSTGEMVAIKILKNDAYRNRIKNEKLLHCMRGLDPEEA
 HVIRFLEFFHDALKFYLVFELLEQNLFEFQKENNFAPLPAHIRTVTLQVLTALARLKEIAIHADLKPE
 NIMLVDTQTRCPRVKVIDFGSASIFSEVRYVKEPYIQSRFYRAPEILLGLPFCEKVDVWSLGCVMELHL
 GWPLYPGNEVDQVRYICETQGLPKPHLLHAACKAHFFKRNPHDAANPWQLKSSADYLAETKVRPLER
 RKYMLKSLDQIETVNGGSVASRLTFPDREALAEHADLKSMMVELIKRMLTWESHESISPSAALRHPFVSMQ
 QLRSAHETTHYYQLSLRSYRLSLQVEGKPPTPVVAEDGTPYYCLAEKEAAGMGSVAGSSPFFREEKAP
 GMQRAIDQLDDLSLQEAGHGLWGETCTNAVSDMMVPLKAAITGHHVPSGPEPILAFYSSRLAGRHKARK
 PPAGSKSDSNLIRLSQVSPEDDRPCRGSSWEEGHELGASAEPLAILQRDEDGPNIDNMTMEAPERDPP
 ELFDPSSCPGEWLSVPDCTLESVRGPRAQGLPPRRSHQHPPRGATSFLQHVTGHH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144685

ORF Size: 1848 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_144685.3](#), [NP_653286.2](#)

RefSeq Size: 2467 bp

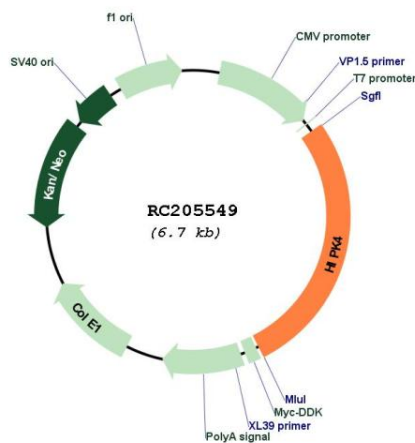
RefSeq ORF: 1851 bp

Locus ID: 147746

UniProt ID: [Q8NE63](#)
Cytogenetics: 19q13.2
Protein Families: Druggable Genome, Protein Kinase
MW: 69.2 kDa

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]

Product images:



Circular map for RC205549