OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC223879

Hipk3 (NM_010434) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hipk3 (NM_010434) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hipk3
Synonyms:	DYRK6; FIST3; mir-1902; PKY
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223879 representing NM_010434 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTCACAAGTCTTGGTCTACCCACCGTATGTTTATCAAACTCAGTCAAGTGCCTTTTGTAGTGTGA AGAAACTCAAAGTAGAGCCAAGCGGTTGTGTTTTCCAGGAAAGAACCTATCCTCAGATCCATGTGAATGG TAGAAACTTTGGCAATTCTCATCCTTCCACGAAAGGTAGTGCTTTCCAGACAAAGATACCATTTACTAAA CCTCGAGGACACAGCTTTTCATTGCAGGCAGGTGCCATTGTTGTCAAAGACACTGCCGGTGCTACAAAGG TCCTAGCAGCTCAGGCGCAGCAGGCTGGAGTGGAGGCACCGCGGGCCGTGGTGTGGAGAAACAGGTTACA TTTCCTAGAAGGGCCCCAGCGATGCGGGTTAAAGCGCAAGAGTGAGGAGTTGGAGAATCACAGCGGCGCG ATGCAGATTGTTGATGAACTGTCCATACTTCCTGCAATGTTGCAAACCAACATGGGAAACCCAGTGACAG TTGTGACAGCGACCACAGGATCGAAGCAGAACTGCACCAGCGGGGAAGGCGACTATCAGTTAGTGCAGCA TGAAGTCCTTTGCTCTATGAAAAACACGTATGAAGTCCTGGATTTTCTTGGTCGTGGCACTTTTGGCCAG GTTGTCAAATGCTGGAAGAGAGGGACAAATGAAATTGTAGCCATTAAAATTTTGAAGAATCACCCTTCGT ATGCACGTCAAGGGCAGATAGAAGTGAGCATCTTGGCAAGGCTGAGTACAGAGAACGCTGATGAGTATAA CTTTGTGCGAGCCTATGAGTGCTTCCAGCACCGTAACCACACCTGCCTAGTCTTTGAGATGCTGGAGCAG AACCTGTATGACTTCCTGAAACAGAATAAATTCAGTCCCCTGCCCCTGAAGGTGATCCGGCCTGTTCTTC AGCAAGTGGCCACTGCACTGAAGAAATTAAAAAGTCTTGGTTTAATTCATGCTGACCTCAAACCAGAGAA TATTATGTTGGTGGATCCTGTTCGCCAGCCGTACAGGGTTAAAGTGATAGACTTTGGATCGGCCAGTCAT GTATCAAAGACTGTTTGCTCAACGTATCTTCAATCTCGCTACTACAGAGCTCCAGAGATTATATTGGGGT TGCCGTTTTGTGAAGCCATAGACATGTGGTCACTGGGATGCGTGATCGCAGAGTTATTCCTTGGATGGCC ACTCTACCCAGGAGCCTTGGAGTATGATCAGATCCGATACATTTCTCAGACTCAAGGTTTACCAGGAGAG CAATTGTTGAATGTGGGTACAAAATCCACAAGATTTTTTTGCAGAGAAACAGATATGTCTCATTCTGGTT GGAGGTTAAAGACACTGGAAGAGCATGAGGCAGAGACAGGAATGAAGTCTAAAGAGGCCAGAAAGTACAT ATTCAACAGTCTGGACGATATAGTGCATGTGAACACAGTGATGGACTTGGAAGGAGGTGATCTCTTGGCT GAGAAAGCTGATAGAAGAGAATTTGTTAATCTGTTGAAGAAAATGTTGCTGATTGATGCAGATTTAAGAA

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TTACTCCAATTGAGACTCTGAACCACCCATTCGTTAATATGAAGCATCTACTAGATTTTCCTCACAGCAA
CCATGTAAAGTCCTGTTTTCATATCATGGATATTTGTAAGTCTCCGAGTTCATGTGAAACAAATAACCAC
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CTAACCACACAGCAGTACATGCCCATCTGGCTGGAAGTACACACCTCGGAGGACAGCCTACTCTGCTTCC
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AGACCTATGTTACAGCATCCAACTTACAATATCTCCCATCCCAGTGGCATAGTTCACCAAGTCCCAGTGG
GCATAAACCCCCGCCTGTTACCATCCCCAACCATTCATCAGACTCAGTACAAACCAATCTTCCCTCCACA
TTCTTACATTGCAGCATCACCTGCGTATACTGGATTTCCATTGAGTCCAACAAAACTCAGCCAGTATCCA
TATATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010434

Insert Size: 3579 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_010434.2, NP_034564.2
RefSeq Size:	7497 bp
RefSeq ORF:	3579 bp
Locus ID:	15259
UniProt ID:	Q9ERH7
Cytogenetics:	2 E2
Gene Summary:	Serine/threonine-protein kinase involved in transcription regulation, apoptosis and steroidogenic gene expression. Phosphorylates JUN and RUNX2. Seems to negatively regulate apoptosis by promoting FADD phosphorylation. Enhances androgen receptor-mediated transcription. May act as a transcriptional corepressor for NK homeodomain transcription factors. The phosphorylation of NR5A1 activates SF1 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. In osteoblasts, supports transcription activation: phosphorylates RUNX2 that synergizes with SPEN/MINT to enhance FGFR2-mediated activation of the osteocalcin FGF-responsive element (OCFRE).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.