

Product datasheet for **RC218848L3V**

HIPK3 (NM_001048200) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HIPK3 (NM_001048200) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HIPK3
Synonyms:	DYRK6; FIST3; PKY; YAK1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001048200
ORF Size:	3582 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218848).
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.
RefSeq:	NM_001048200.1
RefSeq Size:	4680 bp
RefSeq ORF:	3585 bp
Locus ID:	10114
UniProt ID:	Q9H422
Cytogenetics:	11p13
Protein Families:	Druggable Genome, Protein Kinase, Transcription Factors
MW:	131.1 kDa



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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]