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 MC219381

Dyrk1b (NM_010092) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dyrk1b (NM_010092) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dyrk1b
Synonyms:	Mirk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Fully Sequenced ORF:

>MC219381 representing NM_010092
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGTCCCACCAGGCCATGGTCCTTTCTCTGGCTTTCCGGGGCCCCAGGAACACACACAGGTACTAC
CTGATGTGCGGCTCCTGCCCCGGAGACTGCCCCTGGCCTTCCGGGATGCGGCCTCAGCCCCGCTGCGCAA
GCTCTCGGTGGACCTCATCAAGACCTACAAGCACATCAATGAGGTATACTATGCGAAGAAGAAGCGGCGG
GCCCAACAGGCGCCACCCCAGGACTCGAGCACCAAAAAGGAGAAGAAGGTCCTGAACCACGGTTATGATG
ACGACAACCACGACTACATTGTGCGCAGTGGCGAGCGCTGGCTAGAGCGCTATGAGATTGACTCTCTTAT
TGGCAAAGGCTCCTTTGGCCAGGTGGTGAAAGCCTATGATCACCAGACTCAGGAGCTGGTGGCCATCAAG
ATCATCAAGAACAAAAAGGCCTTCCTGAACCAGGCACAGATTGAGCTACGGCTGTTGGAGCTGATGAACC
AGCATGATACAGAGATGAAGTACTACATAGTACACCTTAAGCGGCACTTCATGTTCCGGAATCACCTGTG
CCTGGTGTTTGAGCTGCTGTCCTACAACCTGTACGACCTCCTCCGCAACACACACTTTCGGGGTGTCTCA
CTGAACCTGACGAGGAAGCTGGCACAGCAGCTCTGCACAGCTCTGCTCTTTCTGGCCACCCCCGAGCTCA
GCATCATCCACTGCGACCTCAAGCCTGAGAACATCCTGCTCTGCAACCCCAAGCGCAGTGCCATCAAGAT
CGTGGACTTCGGCAGTTCCTGCCAGCTTGGCCAGCGGATCTACCAGTATATCCAGAGCCGCTTCTACCGC
TCACCCGAGGTGCTCCTGGGTACACCCTATGACCTGGCCATTGACATGTGGTCCCTGGGCTGCATCCTCG
TGGAGATGCACACCGGAGAGCCCCTCTTCAGTGGCTCTAATGAGGTGGACCAGATGAGCCGTATTGTGGA
GGTGTTGGGCATCCCTCCCGCACCCATGCTGGAACAGGCACCCAAGGCTCGAAAGTACTTTGAGCGGCTG
CCTGGGGGTGGCTGGACCCTACGAAGGACAAAGGAACTCAGGAAGGACCTGGTGCTGCGCATGCTGGAAT
ATGAGCCCGCCGCCCGCATCAGCCCTCTGGGCGCTCTGCAGCATGGCTTCTTCCGCCGCACGGCCGACGA
GGCCACCAACACGGGCCCGGCAGGCAGCAGTGCCTCCACCTCGCCGGCGCCCCTTGACACCTGCCCCTCC
TCTAGCACCGCCAGCTCCATCTCCAGCTCTGGAGGTTCCAGTGGCTCCTCCAACGACAACAGAGCCTACC
GATACAGCAACCGATATTGTGGGGGCCCAGGGCCCCCCATCACTGACTGTGAGATGAACAGCCCCCAGGT
CCTACCCTCCCAGCCTCTGCGCCCCTGGGCAGGGGGTGATGTGCCCCACAAGACACATCAAGCCCCTATC
TCTGCCTCAACATTGCCGGGGACTGGGGCTCAGTTACCCCCATTGCCCCGTTGCCTTGGACGACCCCCAT
CACCAACATCACCACCACCCCCAGAGTTGATGGATGTGAGCCTGGTGGGCAGCCCTCCAGACTGCTCTCC
ACCTCCTCCAGCACCTGCCCCCCAGCACCCGGCTGCCTCAGCCCTCCGGACTCGGATGACAGGAGGTCGA
CCACCTCTCCCACCCCCTGATGACCCTGCCACTCTGGGGCCTCGCCTGGGTCTCCATGGTGTACCCCAGA
GCACAGCAGCCAGCTCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010092

Insert Size: 1770 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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_010092.2, NP_034222.1
RefSeq Size:	2404 bp
RefSeq ORF:	1770 bp
Locus ID:	13549
UniProt ID:	Q9Z188
Cytogenetics:	7 A3
Gene Summary:	Dual-specificity kinase which possesses both serine/threonine and tyrosine kinase activity. Enhances the transcriptional activity of TCF1/HNF1A and FOXO1. Inhibits epithelial cell migration. Mediates colon carcinoma cell survival in mitogen-poor environments. Inhibits the SHH and WNT1 pathways, thereby enhancing adipogenesis. In addition, promotes expression of the gluconeogenic enzyme glucose-6-phosphatase (G6PC).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region compared to variant 1. It encodes isoform p65, also known as isoform a, which is shorter than isoform p69. 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US