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 SC125606

DYRK1B (NM_004714) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYRK1B (NM_004714) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYRK1B
Synonyms:	AOMS3; MIRK
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_004714 edited
ATTACTGGGTAATCGGGGCCCTGGCTTGCCGCGTCCGCCGGATACCCTCAGCCAGTGGGC
AGGTCTGAGCTCGGGCTCCCCGAGCAGTTTGAGTCCCCTTGCCCGCTCCTTCAGGTCTCA
GCGGCGGTGGCAGCCGAGGTGCAGGATGCAAGAAGGCGCCCCCCGGCCGGGCTCCCGCTC
CAGGCCTCGCTCCCCTGCGGCCCTCTGAGCCCACCATGGCCGTCCCACCGGGCCATGGTC
CCTTCTCTGGCTTCCCAGGGCCCCAGGAGCACACGCAGGTATTGCCTGATGTGCGGCTAC
TGCCTCGGAGGCTGCCCCTGGCCTTCCGGGATGCAACCTCAGCCCCGCTGCGTAAGCTCT
CTGTGGACCTCATCAAGACCTACAAGCACATCAATGAGGTATACTATGCGAAGAAGAAGC
GGCGGGCCCAGCAGGCGCCACCCCAGGATTCGAGCAACAAGAAGGAGAAGAAGGTCCTGA
ACCATGGTTATGATGACGACAACCATGACTACATCGTGCGCAGTGGCGAGCGCTGGCTGG
AGCGCTACGAAATTGACTCGCTCATTGGCAAAGGCTCCTTTGGCCAGGTGGTGAAAGCCT
ATGATCATCAGACCCAGGAGCTTGTGGCCATCAAGATCATCAAGAACAAAAAGGCTTTCC
TGAACCAGGCCCAGATTGAGCTGCGGCTGCTGGAGCTGATGAACCAGCATGACACGGAGA
TGAAGTACTATATAGTACACCTGAAGCGGCACTTCATGTTCCGGAACCACCTGTGCCTGG
TATTTGAGCTGCTGTCCTACAACCTGTACGACCTCCTGCGCAACACCCACTTCCGCGGCG
TCTCGCTGAACCTGACCCGGAAGCTGGCGCAGCAGCTCTGCACGGCACTGCTCTTTCTGG
CCACGCCTGAGCTCAGCATCATTCACTGCGACCTCAAGCCCGAAAACATCTTGCTGTGCA
ACCCCAAGCGCAGCGCCATCAAGATTGTGGACTTCGGCAGCTCCTGCCAGCTTGGCCAGA
GGATCTACCAGTATATCCAGAGCCGCTTCTACCGCTCACCTGAGGTGCTCCTGGGCACAC
CCTACGACCTGGCCATTGACATGTGGTCCCTGGGCTGCATCCTTGTGGAGATGCACACCG
GAGAGCCCCTCTTCAGTGGCTCCAATGAGGTCGACCAGATGAACCGCATTGTGGAGGTGC
TGGGCATCCCACCGGCCGCCATGCTGGACCAGGCGCCCAAGGCTCGCAAGTACTTTGAAC
GGCTGCCTGGGGGTGGCTGGACCCTACGAAGGACGAAAGAACTCAGGAAGGATTACCAGG
GCCCCGGGACACGGCGGCTGCAGGAGGTGCTGGGCGTGCAGACGGGCGGGCCCGGGGGCC
GGCGGGCGGGGGAGCCGGGCCACAGCCCCGCCGACTACCTCCGCTTCCAGGACCTGGTGC
TGCGCATGCTGGAGTATGAGCCCGCCGCCCGCATCAGCCCCCTGGGGGCTCTGCAGCACG
GCTTCTTCCGCCGCACGGCCGACGAGGCCACCAACACGGGCCCGGCAGGCAGCAGTGCCT
CCACCTCGCCCGCGCCCCTCGACACCTGCCCCTCTTCCAGCACCGCCAGCTCCATCTCCA
GTTCTGGAGGCTCCAGTGGCTCCTCCAGTGACAACCGGACCTACCGCTACAGCAACCGAT
ATTGTGGGGGCCCTGGGCCCCCTATCACAGACTGTGAGATGAACAGCCCCCAGGTCCCAC
CCTCCCAGCCGCTGCGGCCCTGGGCAGGGGGTGATGTGCCCCACAAGACACATCAAGCCC
CTGCCTCTGCCTCGTCACTGCCTGGGACCGGGGCCCAGTTACCCCCCCAGCCCCGATACC
TTGGTCGTCCCCCATCACCAACCTCACCACCACCCCCGGAGCTGATGGATGTGAGCCTGG
TGGGCGGCCCTGCTGACTGCTCCCCACCTCACCCAGCGCCTGCCCCCCAGCACCCGGCTG
CCTCAGCCCTCCGGACTCGGATGACTGGAGGTCGTCCACCCCTCCCGCCTCCTGATGACC
CTGCCACTCTGGGGCCTCACCTGGGCCTCCGTGGTGTACCCCAGAGCACAGCAGCCAGCT
CGTGACCCTGCCCCCTCCCTGGGGCCCCTCCTGAAGCCATACCCTCCCCCATCTGGGGGC
CCTGGGCTCCCATCCTCATCTCTCTCCTTGACTGGAATTGCTGCTACCCAGCTGGGGTGG
GTGAGGCCTGCACTGATTGGGGCCTGGGGCAGGGGGGTCAAGGAGAGGGTTTTGGCCGCT
CCCTCCCCACTAAGGACTGGACCCTTGGGCCCCTCTCCCCCTTTTTTTCTATTTATTGTA
CCAAAGACAGTGGTGGTCCGGTGGAGGGAAGACCCCCCCTCACCCCAGGACCCTAGGAGG
GGGTGGGGGCAGGTAGGGGGAGATGGCCTTGCTCCTCCTCGCTGTACCCCCAGTAAAGAG
CTTTCTCACAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_004714 unedited
GGCAAATTGCGGTTNGTAACCGATTTATATAGGCGGCCGCGCAATTCGCACGAGGCCAGG
GCGTGGGGGGGCCGGTTTGTTGTGGTCGCCATTTTGCTGGTTGCATTACTGGGTAATCGG
GGCCCTGGCTTGCCGCGTCCGCCGGATACCCTCAGCCAGTGGGCAGGTCTGAGCTCGGGC
TCCCCGAGCAGTTTGAGTCCCCTTGCCCGCTCCTTCAGGTCTCAGCGGCGGTGGCAGCCG
AGGTGCAGGATGCAAGAAGGCGCCCCCCGGCCGGGCTCCCGCTCCAGGCCTCGCTCCCCT
GCGGCCCTCTGAGCCCACCATGGCCGTCCCACCGGGCCATGGTCCCTTCTCTGGCTTCCC
AGGGCCCCAGGAGCACACGCAGGTATTGCCTGATGTGCGGCTACTGCCTCGGAGGCTGCC
CCTGGCCTTCCGGGATGCAACCTCAGCCCCGCTGCGTAAGCTCTCTGTGGACCTCATCAA
GACCTACAAGCACATCAATGAGGTATACTATGCGAAGAAGAAGCGGCGGGCCCAGCAGGC
GCCACCCCAGGATTCGAGCAACAAGAAGGAGAAGAAGGTCCTGAACCATGGTTATGATGA
CGACAACCATGACTACATCGTGCGCAGTGGCGAGCGCTGGCTGGAGCGCTACGAAATTGA
CTCGCTCATTGGCAAAGGCTCCTTTGGCCAGGTGGTGAAAGCCTATGATCATCAGACCCA
GGAGCTTGTGGCCATCAAGATCATCAAGAAACAAAAAGGCTTTCCTGAACCAGGCCCAGA
TTGAGCTGCGGCTGCTGGAGCTGATGAACCAGCATGACACGGAGATGAAGTACTATATAG
TACACCTGAAGCGGCACTTCATGTTCCGGAACCACCTGTGCCTGGTATTTGAGCTGCTGT
CCTACAACCTG
```

Restriction Sites: Please inquire

ACCN: NM_004714

Insert Size: 2500 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_004714.1, NP_004705.1

RefSeq Size: 2540 bp

RefSeq ORF: 1890 bp

Locus ID: 9149

UniProt ID: Q9Y463

Cytogenetics: 19q13.2

Protein Families: Druggable Genome, Protein Kinase, Transcription Factors

Gene Summary: This gene encodes a member of a family of nuclear-localized protein kinases. The encoded protein participates in the regulation of the cell cycle. Expression of this gene may be altered in tumor cells, and mutations in this gene were found to cause abdominal obesity-metabolic syndrome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
Transcript Variant: This variant (1, also known as 'a') represents the longest transcript and encodes the longest isoform (p69, also known as isoform a).