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Product datasheet for SC220938

DYRK1A (NM_101395) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DYRK1A (NM_101395) Human 3' UTR Clone
Symbol:	DYRK1A
Synonyms:	DYRK; DYRK1; HP86; MNB; MNBH; MRD7
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_101395
Insert Size:	2000 bp

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Insert Sequence:

>SC220938 3'UTR clone of NM_101395
The sequence shown below is from the reference sequence of NM_101395. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCACTGGATGCCAGGTGCCTTTAGAATGACCGTATCATTTACCCTAGAGGTTCATGACGTTCCTGTCT
AAGGAAATGTGCGTCAGCAATTTCCTGCTCCTCTTGGTTGGTCAGGCACTGAAGCTCCTACACAGGTCA
CTGTTGAAACTCATCCTGTTCAAGAAACAACCTTTCATGTAGCCCCTCAACAGAATGCATTGCATCATC
ACCATGGTAACAGTTCCCATCACCATCACCACCACCACCACCATCACCACCACCATGGACAACAAGCCT
TGGGTAACCGGACCAGGCCAAGGGTCTACAATTCTCCAACGAATAGCTCCTCTACCCAAGATTCTATGG
AGGTTGGCCACAGTCACCACTCCATGACATCCCTGTCTTCCTCAACGACTTCTTCCTCGACATCTTCCT
CCTCTACTGGTAACCAAGGCAATCAGGCCTACCAGAATCGCCCAGTGGCTGCTAATACCTTGGACTTTG
GACAGAATGGAGCTATGGACGTTAATTTGACCGTCTACTCCAATCCCCGCCAAGAGACTGGCATAGCTG
GACATCCAACATACCAATTTTCTGCTAATACAGGTCCTGCACATTACATGACTGAAGGACATCTGACAA
TGAGGCAAGGGGCTGATAGAGAAGAGTCCCCCATGACAGGAGTTTGTGTGCAACAGAGTCCTGTAGCTA
GCTCGTGACTACATTGAAACTTGAGTTTGTTTCTTGTGTGTTTTTATAGAAGTGGTGTTTTTTTTCCAA
AAACAAAGTGCAAAGCTGCTTGAATCAGGAGGAGATTAACACACTGAACCGCTACAAGAGGGCAAAGCT
GATTTTTTTTTTAACTTGAAAAGATTGCAAAGGGACATTGAAGTGTTTAAAAGAGCCATGTCCAAACCC
ATCTTCATGGATAGCTCAGAGGTATCCTCTTTTTGCTCCCCCATTTTAACTTGCCACATCCCAGTCACA
GTGGGGTTTTTTTGTCTTTCTATTCAGCAAAAGTTAATATTCAGATGTTGGTCTTGGTCATTTGCCAAC
TAATTTTAAAGTAAAAGGCACTGCACATAATTTGCATAAAGGGCCCCATGAGGGTGTTTTTTTTTTTTC
TTTTTGTCCCCCCCATCCCCCTTTTTTTTTGTTTTGTTCTGTTTTGTTTTGGGTGGGAGGGTGGGAAAT
TTGGGTTTTTAAGTCCTCTAAACACACTTGGGCACGGAAATGCAGTACTGTAAGGAAGAGGGACCTCCA
GCTTCCACAAACACCATCTTCAGCTGTATGAAAGGGACGGTTGTGGTGAAGTTTGTCAGGCACAGTAAG
CATGCTGAGTGGCGGGGATCAGAACTCTCCTATCTGAACCTACTGAGGAGCAAAGCAGCAATTACATGG
GATCCTGTGGCTCTCCCGTTGCAGAGGCCACAGGAAGATAGGATGGAACGTGACTGGTCTCCTAACCAA
GGTGCACTGAGAAGCAATCAACGGGTCGGTCGTGGCCAGTCCTGGGGAGGTCTGAGTGGTGGTCTTTGG
GATAACCTTTGGCCTTATGGATTTGGACTCGAAATTAGAAGAGCCTACCATTTCAGATGCAATCACTTT
TGGACATGCTTTTGCAGACAGTCCTTAATGCTGAAAACACAGAGAATGGGTAATTCAAGAGGCCTTTCT
TTTAAAATAGACTTTTGTGACCCACTAATTGTAAGGTATTGCAAGGTCACTTTGCGTGTGTCATAAAGT
TGACTTCCTTATTGGTTGAAGGTCACAGAAGTAGTGGTTTGCTTTGATGGAAATAGCTACAGCTGTGTC
CCTTCCTGCTTTTTACTTTTTCTTTTGCTTTTTCTCGGCACGTGGTATCTCCACCATTTCTTCTGCACA
AAGATGTCTTCTGTTCATCCTGAACATTTTTAAAAAATGCAGAATTTTATGTGACTGCTTTTTTGCCTC
ACAATTATGCTGTGAATTTTACAAAAATTTATTTTCTTTTTTGATAATTTATTGTACCAAAGCTGTTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_101395.2

Summary: This gene encodes a member of the Dual-specificity tyrosine phosphorylation-regulated kinase (DYRK) family. This member contains a nuclear targeting signal sequence, a protein kinase domain, a leucine zipper motif, and a highly conservative 13-consecutive-histidine repeat. It catalyzes its autophosphorylation on serine/threonine and tyrosine residues. It may play a significant role in a signaling pathway regulating cell proliferation and may be involved in brain development. This gene is a homolog of Drosophila mnb (minibrain) gene and rat Dyrk gene. It is localized in the Down syndrome critical region of chromosome 21, and is considered to be a strong candidate gene for learning defects associated with Down syndrome. Alternative splicing of this gene generates several transcript variants differing from each other either in the 5' UTR or in the 3' coding region. These variants encode at least five different isoforms. [provided by RefSeq, Jul 2008]

Locus ID: 1859

MW: 77