

## Product datasheet for **SC106952**

### **DYRK4 (NM\_003845) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DYRK4 (NM_003845) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYRK4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF within SC106952 sequence for NM\_003845 edited (data generated by NextGen Sequencing)

```

ATGCCGGCCTCAGAGCTCAAGGCTTCAGAAATACCTTTCCACCCTAGCATTAAAACCCAG
GATCCCAAGGCAGAGGAGAAGTACCAAAGAAGCAAAGGTGACTCTGACAGCGGCAGAG
GCCCTAAAGCTTTTTAAGAACCAGCTGTCTCCATATGAACAAAGTAAATCCTGGGCTAC
GCGGAGCTGTGGTTCCTGGGCTTGAAGCCAAGAAGCTCGACACGGCTCCTGAGAAATTT
AGCAAGACGAGTTTTGATGATGAGCATGGCTTCTATCTGAAGGTTCTGCATGATCACATT
GCCTACCCTATGAAGTTCTGGAGACAATCGGGAAGGGTCTTTGGACAGGTGGCCAAG
TGCTTGGATCACAAAAACAATGAGCTGGTGGCCCTGAAAATCATCAGGAACAAGAAGAGG
TTTCACCAGCAGGCCCTGATGGAGCTGAAGATCCTGGAAGCTCTCAGAAAAGAAGGACAAA
GACAACACCTACAATGTGGTGCATATGAAGGACTTTTTCTACTTTCGCAATCACTTCTGC
ATCACCTTTGAGCTCCTGGGAATCAACTTGTATGAGTTGATGAAGAATAACAACCTTCAA
GGCTTCAGTCTGTCCATAGTTCGGCGCTTCACTCTCTGTTTTGAAGTGTTCAGATG
CTTTCGGTAGAGAAAATCATTCACTGTGATCTCAAGCCCGAAAAATATAGTGTATACCAA
AAGGGCCAAGCCTCTGTTAAAGTCACTGACTTTGGATCAAGCTGTTATGAACACCAGAAA
GTATACACGTACATCCAAGCCGTTTCTACCGATCCCCAGAAAGTATCCTGGGCCACCCC
TACGACGTGGCCATTGACATGTGGAGCCTGGGCTGCATCACGGCCGAGTTGTACACGGGC
TACCCCTGTTCCCGGGGAGAATGAGGTGGAGCAGCTGGCCTGCATCATGGAGGTGCTG
GGTCTGCCCCAGCCGGCTTCATTCAAGCAGCCTCCAGGAGACAGACATTCTTTGATTCC
AAAGGTTTTCTAAAAATATAACCAACAACAGGGGGAAAAAAGATACCCAGATTCCAAG
GACCTCACGATGGTGTGAAAACCTATGACACCAGCTTCTGGACTTTCTCAGAAGGTGT
TTGGTATGGGAACCTTCTCTTCGCATGACCCCGGACCAGGCCCTCAAGCATGCTTGGATT
CATCAGTCTCGAACCTCAAGCCACAGCCAGCCCGCCAGACCCTGAGGAAATCCAATTC
TTTTTCCCTCTGAGACAAGGAAGGACAAGGTTCAAGGCTGTCACTCACTCGAGCAGAAAA
GCAGATGAGATACCAAAGAGACTACAGAGAAAACAAAGATAGCCCCACGAAGCATGTT
CAGCATTAGGTGATCAGCAGGACTGTCTCCAGCACGGAGCTGACACTGTTGAGTGCCT
CAACTGGTAGACGCTCCCAAGAAGTCAAGAGCAGCTGTGCGGGCGGAGGTGTCCATGACC
TCCCCAGGACAGACAAAAAATTCTCCCTCAAGAACACAAACGTTTTACCCCTATTGTA
TGA
    
```

Clone variation with respect to NM\_003845.1

**5' Read Nucleotide Sequence:**

```

>OriGene 5' read for NM_003845 unedited
TTCAAATTTTGAATACGACTCACTATAGGGCGGCCGATAAATTCTGATAGCATACATT
ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGAGTGTG
AGCTGTTGAAAGCCTGCAGCTAAACACCAGTGTACTTCACTCCCCTTTGTGGACACCAA
GGGAAGAAGAATACGGTAAGCTTCCCACACATTAGCAAGAAAGTCTGCTGAAGTCATC
CCTGCTGTATCAGGAGAATCAAGCTCACAATCAGATGCCGGCCTCAGAGCTCAAGGCTTC
AGAAATACCTTTCCACCCTAGCATTAAAACCCAGGATCCCAAGGCAGAGGAGAAGTCACC
AAAGAAGCAAAAGGTGACTCTGACAGCGGCAGAGGCCCTAAAGCTTTTTAAGAACCAGCT
GTCTCCATATGAACAAAGTAAAATCCTGGGCTACGCGGAGCTGTGGTTCTGGGTCTTGA
AGCCAAGAAGCTCGACACAGCTCCTGAGAAATTTAGCAAGACGAGTTTTGATGATGAGCA
TGGCTTCTATCTGAAGTTCTGCATGATCACATTGCCCTACCGCTATGAAGTTCTGGGAGA
CAATCGGAAGGGTCTTTGGACAGGTGGCCAAGTGTCTGGATCACAAAAACAATGAGCT
GGGTGGCCCTGAAAATCATCAGGAAACAAGAAGAAGTTTACCCAAGCAGGCCCTGATGG
GAGCTTGAATACTTTGGGAAGCTCTCAGGACTGAAGGAACAAAGACCACACCCTCCAAT
GTTGGTCAATATGAAGGACTTTTTTTAACTTTTCCAAATTACCTTTTGCATAACCCTTT
GAGCTCCTGGGAATAAACTTGTGTTGAATTGATGAAGAAATACAACCTTTAAGGGCTCCA
GTCTGGCCAAAGTTCGGGCTTCCCTTTTCTGTTTGAAGGGCTTGCATGCTTTCCG
GAGGGAAAAAATTN
    
```

**Restriction Sites:**

Please inquire

<b>ACCN:</b>	NM_003845
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003845.1</a> , <a href="#">NP_003836.1</a>
<b>RefSeq Size:</b>	1860 bp
<b>RefSeq ORF:</b>	1563 bp
<b>Locus ID:</b>	8798
<b>UniProt ID:</b>	<a href="#">Q9NR20</a>
<b>Cytogenetics:</b>	12p13.32
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Gene Summary:</b>	<p>This gene encodes an enzyme that belongs to a conserved family of serine/threonine protein kinases. Members of this dual specificity kinase family are thought to function in the regulation of cell differentiation and proliferation, survival, and in development. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>