

Product datasheet for **MR206674**

Dyx1c1 (NM_026314) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dyx1c1 (NM_026314) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dyx1c1
Synonyms:	1700010I24Rik; b2b811.1Clo; b2b811Clo; Dnaaf4; EKN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206674 representing NM_026314 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGTGCAGTGAGCGAGTTCAGCTGGCAGCAGACGCCGGCCACGATCTTCTGTGCTGCCTTTGC
GGGGCGTCTGCGTGCGGATGCTGACGTATTCTGTGGGAAAGTTACCTGAAGTTAACTTTCTCCATT
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GGGAGGAATTGGGAAAACATATTTCTGAGAAGTTAAAGGAAGACAGAGTCCCTGCGCCTCGCTCCGCTG
GCAGTATCAAATCAGCTTTACCCTCGAGTGTCCCAACAGCACTTCGGGAATCCCAAGTCGAGAAGA
GGAGGAGTGGCTGCATAAACAAGCAGAAGCAGGAGGCCATGAGCACTGACCTTCTGAGTCTTTGAC
TTAAAGAAGAAGAGAGGAATCCAGACTGTTGAAAGACAAGGAAACAATTGTTGCAACAGAAAAAT
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TCGGGCTGCTTGGCACCTCAAATTA AAAAACCACACAAGGCCATCGAGGACTCTTCTAAGGCACTAGAG
TTATTGACACCCTGTTGCTGACAATGCAATGCAAGAATGAAGGCACACGTCGACGAGGGACAGCGT
TCTGTCAACTAGAATTGTATGTTGAAGCTTGCAAGATTATGAAGCTGCACTTAAGATTGACCCAGCCAA
CACAGTTGTACAGAACGATGCAGAGAAGATTCCGAATATAATTCAAGGGACGGCACTGAAGTCTCGTGAC

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ACAAGGATGACGACGATAAGGTTTAA

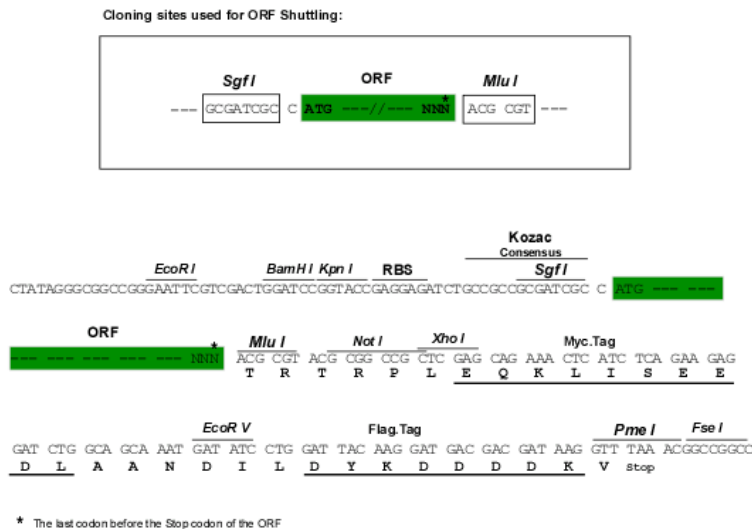


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Chromatograms: https://cdn.origene.com/chromatograms/mm9077_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026314

ORF Size: 1260 bp

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.

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_026314.3](#), [NP_080590.3](#)

RefSeq Size: 1978 bp

RefSeq ORF: 1263 bp

Locus ID: 67685

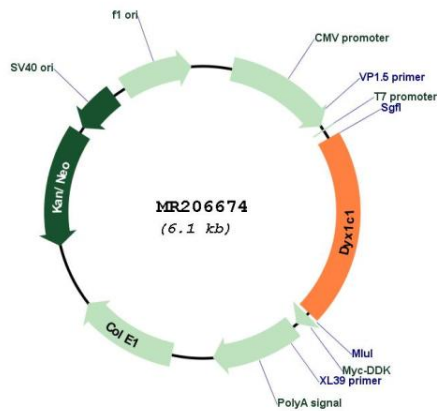
UniProt ID: Q8R368

Cytogenetics: 9 D

MW: 48.6 kDa

Gene Summary: Involved in neuronal migration during development of the cerebral neocortex. May regulate the stability and proteasomal degradation of the estrogen receptors that play an important role in neuronal differentiation, survival and plasticity (By similarity). Axonemal dynein assembly factor required for ciliary motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206674