

Product datasheet for **MG206674**

Dyx1c1 (NM_026314) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Dyx1c1 (NM_026314) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Dyx1c1 |
| Synonyms: | 1700010I24Rik; b2b811.1Clo; b2b811Clo; Dnaaf4; EKN1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG206674 representing NM_026314 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGTGCAGTGAGCGAGTTCAGCTGGCAGCAGACGCCGGCCACGATCTTCTGTGCTGCCTTTGC
GGGGCGTCTGCGTGCGGATGCTGACGTATTCTGTGGGAAAGTTACCTGAAGTTAACTTTCTCCATT
TTTATTTGAGCTGTTTCTATGCTCCTATAGATGATGGGAAGAGCAAAGCAAGATTGGAAATGACACG
ATCTTTTACATTGTATAAAAAGGAGCCAGTTCTGTGGGATAGCCTTTCTGTGCCGGTGTGATAAAG
AGATGATGCAGAGAATAAGAGAAAAATCTATCTTGCAAGCACAGGAGAAAGCAAAAGAGGCCACAGAAGC
AAAAGCTGTTGCCAAGCGAGAAGACCAGAGATACGCACTAGGCGAGATGATGAAGATTGAAGAAGAAGAG
AGGAAAAAATAGAAGATATGAAAGAAAATGAACGGAAAAAGGCAACTAGCGAATTAGAAGCGTGGAAAG
AATGTCAAAGAAAGCTGACGGACAAAAAGAGTCCAGAGGAAGGAGAAACCGCTCGAGGGAAAGCAAGC
TGAAGAGACCAAAGCTCTAAAACCTCGGGGTTGCCCGGAAGGCCACCCACTCGCCTCCCAACAAGA
GGGAGGAATTGGGAAAACATATTTCTGAGAAGTTAAAGGAAGACAGAGTCCCTGCGCCTCGCTCCGCTG
GCAGTATCAAATCAGCTTTACCCTCGAGTGTCCCAACAGCACTTCGGGAATCCCAAGTCGCAGAAGA
GGAGGAGTGGCTGCATAAACAAGCAGAAGCACGGAGAGCCATGAGCACTGACCTTCTGAGTTCTTTGAC
TTAAAGAAGAAGAGAGGAATCCAGACTGTTGAAAGACAAGGAAACAAATTGTTGCAACAGAAAAAT
ATTTGGCAGCGGTTGATGCATATAATTTAGCCATACGACTGAACTGTAAGATCCATTATTGATTTGAA
TCGGGCTGCTTGCCACCTCAAATTA AAAAACCACACAAGGCCATCGAGGACTCTTCTAAGGCACTAGAG
TTATTGACACCCTGTTGCTGACAATGCCAATGCAAGAATGAAGGCACACGTCGACGAGGGACAGCGT
TCTGTCAACTAGAATTGTATGTTGAAGCTTGCAAGATTATGAAGCTGCACTTAAGATTGACCCAGCCAA
CACAGTTGTACAGAACGATGCAGAGAAGATTCGGAATATAAATCAAGGGACGGCACTGAAGTCTCGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206674 representing NM_026314
 Red=Cloning site Green=Tags(s)

MPVRVSEFSWQQTPIFLSLPLRGVCVRDADVFCGESYLKVNFPFLFELFLYAPIDDGKSKAKIGNDT
 ILFTLYKKEPVLWDSLSPVGVDKEMMQRIREKSILQAQEKAKEATEAKAVAKREDQRYALGEMMKIEEEE
 RKKIEDMKENERKKATSELEAWKECQKKADGQKRVRQKEKPLEGKQAEETKALKPRGLPRKAPTRLPTR
 GRNWENIFPEKLEKDRVPAPRSAGSIQISFTPRVFPTALRESQVAEEEEWLHKQAEARRAMSTDLPEFFD
 LKEEERNPDWLKDKGNKLFATENYLAAYDAYNLAIRLNCKIPLLYLNRAACHLKLKLNHKAIEDSSKALE
 LLTPPVADNANARMKAHVRRGTAFQCQLELYVEGLQDYEAALKIDPANTVVQNDAEKIRNIIQGTALKSRD

TRTRPLE - GFP Tag - V

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

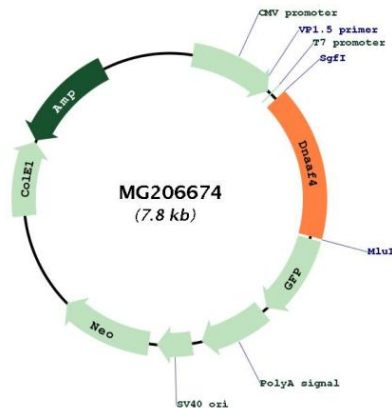
Locus ID: 67685

UniProt ID: [Q8R368](#)

Cytogenetics: 9 D

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 MG206674