

Product datasheet for **MG214809**

Cdkl3 (NM_001166655) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdkl3 (NM_001166655) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdkl3
Synonyms:	A1852479; B230379H01 Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG214809 representing NM_001166655
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATGTATGAAACCCTTGAAAAGTGGGAGAGGGAAGTTATGGAACGGTCATGAAATGCAAACATA
 AGGACACTGGGCGAATAGTGGCCATTAAGATTTCTATGAGAAAACAGAAAAATCTGTCAACAAAATTGC
 AACGAGAGAAAATAAAGTTTCTAAAGCAATTTTCGGCATGAAAACCTGGTCAATTTGATTGAAGTTTTAGA
 CAAAAGAAGAAAATTCATTTGGTATTTGAGTTTATTGACCACACGGTCTTAGATGAGCTGCAGCACTACT
 GTCACGGACTAGAGAGTAAGCGGCTGAGAAAGTACCTCTTCCAGATCCTTCGCGCCATTGAGTACCTGCA
 TAATAATAATATTATCCATCGAGATATAAAGCCTGAGAATATTTAGTCTCCAGTCAGGAATTACGAAG
 CTGTGTGATTTTGGGTTTGGCAGGACACTAGCAGCTCCTGGAGACGTTTACACAGACTACGTGGCCACAC
 GCTGGTACAGAGCTCCAGAGCTGGTGTGAAAGACACCTCCTACGAAAGCCAGTGGACATCTGGGCTTT
 GGGCTGTATGATCATTGAAATGGCCACTGGCCATCCCTTCTTCTAGCAGTTCCGATTTGGATTTGCTC
 CACAAGATTGTTTTAAAAGTAGGCAACCTGACCCCGCACCTGCACAATATCTTTTCCAAGAGTCCCATCT
 TTGCTGGGGTGGTTCTTCTCAAGTTCAACACCCAAAAACCGCAAGAAAGAAATACCCCAAGCTCAATGG
 ATTGCTGGCAGATATAGTTCATGCTTGTTTACAAATTGATCCTGCTGAGAGGACATCATCTACTGATCTT
 TTGCGTACGATTACTTTACTAGAGATGGATTTATTGAGAAATTCATACCAGAGCTGAGAGCTAAATTAT
 TACAGGAAGCAAAGGTTAATTCATTTATAAAGCCAAAAGAGAATTTAAAGAAAATGAACCTGTGAGAGA
 TGAGAAGAAATCAGTTTTACCAACACCCTGCTCTATGGAATCCATCACTTTATGGCAAGGAAGTGGAC
 AGAGACAAAAGGGCCAAGGAGCTCAAAGTCAGAGTCATTAAGGCCAAAGGGGCAAGGAGATGTCCAG
 ACCAGAAGAAGCCAGAGTATGAAGGCGACCACCCAGCAGGGCACAGCTGATGACACACAGCCCTCATC
 ACTGGACAAGAAGCCTTCTGTCTTGGAACTGACAAACCCTCTCAATCCCAGTGAAGAATTCTGACGGTGT
 AAAGAAGACCCACAGCTGGGGTTGTATGATAATGCCACCTATCAACCTGACAAGCAGTAATTTGTTGG
 CCGCAATCTCAGTTCAAACCTTTCCACCCCAATTCACGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG214809 representing NM_001166655
 Red=Cloning site Green=Tags(s)

MEMYETLGKVGESYGTVMKCKHKDTGRIVAIAIKIFYEKPEKSVNKIATREIKFLKQFRHENLVNLIIEVFR
 QKKKIHLVFEFIDHTVLDELQHYCHGLESKRLRKYLFQILRAIEYLHNNNIHRDIKPENILVSQSGITK
 LCDFGFARTLAAPGDVYTDYVATRWYRAPELVLKDTSYGKPVDIWALGCMIIEMATGHPFLPSSSDL
 HKIVLKVGNLTPHLHNIFSKSPIFAGVLPQVQHPKTARKKYPKLNGLLADIVHAQLQIDPAERTSDDL
 LRHDYFTRDGFIEKFIPELRAKLLQEAKVNSFIKPKENFKENEPVRDEKKSFTNTLLYGNPSLYGKEVD
 RDKRAKELKVRVIKAKGGKGDVPDQKPEYEGDHRQQTADDTQPSSLDKPKSVLELTLNPLNSENDSGV
 KEDPHAGGCMIMPPINLTSSNLLAANLSSNL SHPNR

TRTRPLE – GFP Tag – V

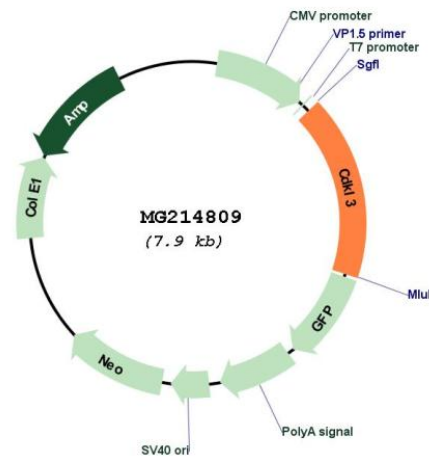
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001166655

ORF Size: 1371 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:	<ol style="list-style-type: none">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:	<u>NM_001166655.1</u> , <u>NP_001160127.1</u>
RefSeq Size:	1896 bp
RefSeq ORF:	1374 bp
Locus ID:	213084
UniProt ID:	<u>Q8BLF2</u>
Cytogenetics:	11 B1.3