

Product datasheet for **MG214807**

Cdkl3 (NM_001166653) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Cdkl3
Synonyms:	A1852479; B230379H01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG214807 representing NM_001166653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGATGTATGAAACCCTTGAAAAGTGGGAGAGGGAAGTTATGGAACGGTCATGAAATGCAAACATA
 AGGACACTGGGCGAATAGTGGCCATTAAGATTTTCTATGAGAAACCAGAAAAATCTGTCAACAAAATTGC
 AACGAGAGAAAAAAGTTTCTAAAGCAATTTCCGCATGAAAACCTGGTCAATTTGATTGAAGTTTTTAGA
 CAAAAGAAGAAAATTCATTTGGTATTTGAGTTTATTGACCACACGGTCTTAGATGAGCTGCAGCACTACT
 GTCACGGACTAGAGAGTAAGCGGTGAGAAAAGTACCTCTCCAGATCCTTCGCGCCATTGAGTACCTGCA
 TAATAATAATATTATCCATCGAGATATAAAGCCTGAGAATATTTTGTCTCCAGTCAGGAATTACGAAG
 CTGTGTGATTTTGGTTTTCGAGGACACTAGCAGCTCCTGGAGACGTTTACACAGACTACGTGGCCACAC
 GCTGGTACAGAGCTCCAGAGCTGGTGTGAAAGACACCTCCTACGGAAAGCCAGTGGACATCTGGGCTTT
 GGGCTGTATGATCATTGAAATGGCCACTGGCCATCCCTTCTTCTAGCAGTTCGGATTTGGATTGCTC
 CACAAGATTGTTTTAAAAGTAGGCAACCTGACCCGCACCTGCACAATATCTTTTCCAAGAGTCCCATCT
 TTGCTGGGGTGGTTCTTCTCAAGTTCAACACCCAAAAACCGCAAGAAAGAAAATACCCCAAGCTCAATGG
 ATTGCTGGCAGATATAGTTCATGCTTGTGTTTACAAATTGATCCTGCTGAGAGGACATCATCTACTGATCTT
 TTGCGTCACGATTACTTTACTAGAGATGGATTTATTGAGAAATTCATACCAGAGCTGAGAGCTAAATTAT
 TACAGGAAGCAAAAGTTAATTCATTTATAAAGCCAAAAGAGAATTTTAAAGAAAATGAACCTGTGAGAGA
 TGAGAAGAAAATCAGTTTTTACCAACACCCTGCTCTATGAAAATCCATCACTTTTATGGCAAGGAAGTGGAC
 AGAGACAAAAGGGCAAGGAGCTCAAAGTCAAGTCAATTAAGGCCAAAGGGGCAAGGAGATGTCACAG
 ACCAGAAGAAGCCAGAGTATGAAGGCGACCACCGCCAGCAGGCACAGCTGATGACACACAGCCCTCATC
 ACTGGACAAGAAGCCTTCTGTCTTGGAACTGACAAACCTCTCAATCCCAAGTGAAGAATCTGACGGTGT
 AAAGAAGACCCACACGCTGGGGTGTATGATAATGCCACCTATCAACCTGACAAGCAGTAATTTGTTGG
 CCGCAAATCTCAGTTCAAACCTTTCCACCCCAATTCACGGTTAACTGAAAGAACAAAAAGAGACGCAC
 TTCTTCAAACTATTGGACAGACTTGTCTAATAGCAGACAAGAGGACACAGTCCCACACAAGTCCAA
 ACAGAGAAAAGGTGCATTTAATGAGCGAAGCAGGTGAGAATGACCAAAATATCGAGTGGGAACAAAAGAAAGC
 TGAATTTTCCCAAATGCGACAGGAAAGAATTCCATTTCCCTGAACTGCCATTACAGTGCAGGCGAAGGA
 GATGAAAGGGATGGAAGTTAAACAGATAAAAGTGTGAAGAGAGAATCAAAGAAAACAGATTCATCTAAA
 ATACCAACTTTACTTAGTATGGACCAAAATCAAGAAAACAAGAGACAGAACCCTGTGTGACTGTGAATG
 AGTGGCCTGATCAAGAGAGGAGAGACCTACAGGAAGAGGAGGCCACAGGGTGGAGATGGCGATTGTGAG
 GGAAGAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214807 representing NM_001166653
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MEMYETLKGVGEYSYGTVMKCKHKDTRIVAIKIFYEKPEKSVNKIATREIKFLKQFRHENLVNLIEVFR
 QKKKIHLVFEFIDHTVLDLQHYCHGLESKRLRKYLFQILRAIEYLHNNNI IHRDIKPENILVSSQGITK
 LCDFGFARTLAAPGDVYTDYVATRWYRAPELVLKDTSYKPVDIWALGCMIIEMATGHPFLPSSDLDLL
 HKIVLKVGNLTPHLHNIFSKSPIFAGVVLQVQHPKTARKKYPKLNGLLADIVHAQLQIDPAERTSSTD
 LRHDYFTRDGFIEKFIPELRAKLLQEAKVNSFIKPKENFKENEPVRDEKKSVMFNTLLYGNPSLYGKEVD
 RDKRAKELKVRVIKAKGKGDPDQKPEYEGDHRQGTADDTQPSSLDKPSVLELTNPLNPSENSDGV
 KEDPHAGGCMIMPINLTSSNLLAANLSSNLSHPNSRLTERTKKRRTSSQITIGQTLNSNRQEDTGPQVQ
 TEKGAFNERTGQNDQISSGNRKLNFPKCDRKEFHPELPTVQAKEMKMEVKQIKVLKRESKKTSSK
 IPTLLSMDPNQEKQETEPVTVNEWPDQERREPTGRGGHRVEMAIVRGRI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001166653

ORF Size: 1830 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).

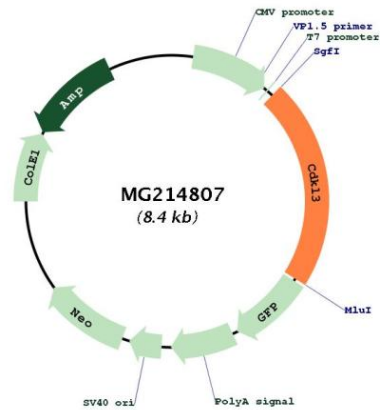
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001166653.1](#), [NP_001160125.1](#)

RefSeq Size:	2749 bp
RefSeq ORF:	1833 bp
Locus ID:	213084
UniProt ID:	Q8BLF2
Cytogenetics:	11 B1.3

Product images:

Circular map for MG214807