

Product datasheet for **MG214806**

Cdkl3 (NM_153785) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Cdkl3 (NM_153785) 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:

>MG214806 representing NM_153785
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATGTATGAAACCCTTGAAAAGTGGGAGAGGGAAGTTATGGAACGGTCATGAAATGCAAACATA
 AGGACACTGGGCGAATAGTGGCCATTAAGATTTCTATGAGAAAACAGAAAAATCTGTCAACAAAATTGC
 AACGAGAGAAAATAAGTTTCTAAAGCAATTTTCGCATGAAAACCTGGTCAATTTGATTGAAAGTTTTAGA
 CAAAAGAAGAAAATTCATTTGGTATTTGAGTTTATTGACCACACGGTCTTAGATGAGCTGCAGCACTACT
 GTCACGGACTAGAGAGTAAGCGGCTGAGAAAGTACCTCTCCAGATCCTTCGCGCCATTGAGTACCTGCA
 TAATAATAATATTATCCATCGAGATATAAAGCCTGAGAATATTTAGTCTCCAGTCAGGAATTACGAAG
 CTGTGTGATTTGGGTTTGGGAGACACTAGCAGCTCCTGGAGACGTTTACACAGACTACGTGGCCACAC
 GCTGGTACAGAGCTCCAGAGCTGGTGTGAAAGACACCTCCTACGAAAGCCAGTGGACATCTGGGCTTT
 GGGCTGTATGATCATTGAAATGGCCACTGGCCATCCCTTCTTCTAGCAGTTCCGATTTGGATTTGCTC
 CACAAGATTGTTTTAAAAGTAGGCAACCTGACCCCGCACCTGCACAATATCTTTTCCAAGAGTCCCATCT
 TTGCTGGGGTGGTTCTTCTCAAGTTCAACACCCAAAAACCGCAAGAAAGAAATACCCCAAGCTCAATGG
 ATTGCTGGCAGATATAGTTCATGCTTGTTTACAAATTGATCCTGCTGAGAGGACATCATCTACTGATCTT
 TTGCGTACGATTACTTTACTAGAGATGGATTTATTGAGAAAATTCATACCAGAGCTGAGAGCTAAATTAT
 TACAGGAAGCAAAGGTTAATTCATTTATAAAGCCAAAAGAGAATTTAAAGAAAATGAACCTGTGAGAGA
 TGAGAAGAAAATCAGTTTTACCAACACCCTGCTCTATGGAAATCCATCACTTTATGGCAAGGAAGTGGAC
 AGAGACAAAAGGCCAAGGAGCTCAAAGTCAGAGTCATTAAGGCCAAAGGGGCAAGGAGATGTCCCAG
 ACCGACAAGAAGCCAGATGAAGGCGACCACCCGACGAGGGCACAGCTGATGACACACAGCCCTCATC
 ACTGGACAAGAAGCCTTCTGTCTTGAAGTGAACAACCCCTCAATCCAGTGAGAATTCGACGGTGTG
 AAAGAAGACCCACAGCTGGGGTTGTATGATAATGCCACCTATCAACCTGACAAGCAGTAATTTGTTGG
 CCGCAAATCTCAGTTCAAACCTTTCCACCCCAATTCACGGTTAACTGAAAGAACAAAAAGAGACGCAC
 TTCTTACAAAATATTGGACAGACTTTGTCTAATAGCAGACAAGAGGACACAGGTCCCACACAAGTCCAA
 ACAGAGAAAGGTGCATTTAATGAGCGAACAGGTGAGAATGACCAATATCGAGTGGGAACAAAAGAAAGC
 TGAATTTTCCAAATGCGACAGGAAAGAATTCATTTCCCTGAAGTCCATTACAGTGCAGGCGAAGGA
 GATGAAAGGGATGGAAGTTAAACAGATAAAAGTGTGAAGAGAGAATCAAAGAAAACAGATTCATCTAAA
 ATACCAACTTTACTTAGTATGGACCCAAATCAAGAAAAACAAGAGGGTGGAGATGGCGATTGTGAGGGGA
 AGAATTTGAAGAGGAACAGATTTTTTTTTTCCCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG214806 representing NM_153785
 Red=Cloning site Green=Tags(s)

MEMYETLGKVGEGSYGTMKCKHKDTGRIVAIFKIFYEKPEKSVNKIATREIKFLKQFRHENLVNLIIEVFR
 QKKKIHLVFEFIDHTVLDELQHYCHGLESKRLRKYLFQILRAIEYLHNNNIHRDIKPENILVVSQGITK
 LCDFGFARTLAAPGDVYTDYVATRWYRAPELVLKDTSYGKPVDIWALGCMIIEMATGHPFLPSSDLDLL
 HKIVLVKGNLTPHLHNIKSPIFAGVVLQVQHPKTARKKYPKLNGLLADIVHAQLQIDPAERTSSTDLL
 LRHDYFTRDGFIEKFIPELRAKLLQEAKVNSFIKPKENFKENEPVRDEKKSVMFTNTLLYGNPSLYGKEVD
 RDKRAKELKVRVIKAKGGKGDVPDQKKPEYEGDHRQQTADDTQPSSLKDKPSVLELTNPLNPSSENSDGV
 KEDPHAGGCMIMPPIINLTSNNLLAANLSSNL SHPNSRL TERTKKRRTSSQTIQTLSNSRQEDTGPTQVQ
 TEKGAFNERTGQNDQISSGNKRKLNFPKDRKEFHPELPTVQAKEMKGMVQKQIKVLKRESKKTDSK
 IPTLLSMDPNQEKQEGGDGCEGKNLKRNRFFFSR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_153785

ORF Size: 1785 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_153785.4](#), [NP_722480.3](#)

RefSeq Size: 2765 bp

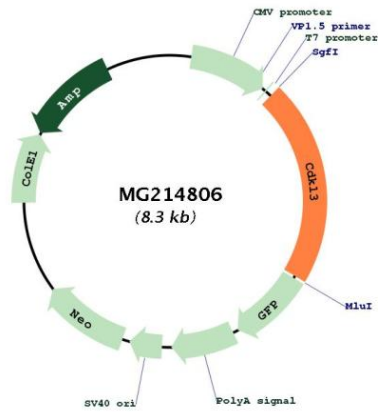
RefSeq ORF: 1788 bp

Locus ID: 213084

UniProt ID: [Q8BLF2](#)

Cytogenetics: 11 B1.3

Product images:



Circular map for MG214806