

Product datasheet for **MG200978**

Cda (NM_028176) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cda (NM_028176) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cda
Synonyms: 2210401N16Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200978 representing NM_028176
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGGAACGCCCTCCTGTGCTGTGGAGCCGAGCACGTCCAGCGGCTGCTGCTCCTCTCGTG
 AGGCCAAGAAGTCAGCCTACTGCCCTACAGCCGCTTCCCTGTGGGGCTGCCCTGCTCACCGGGACGG
 GAGGATCTTCTGGGTGCAACATAGAAAACGCCTGCTACCCACTAGGTGTGTGCCGAGCGGACTGCC
 ATCCAGAAGGCCATCTCCGAAGGGTACAAGGATTCAGGGCTATTGCCATCTCTAGTGACTTGAAGAAG
 AGTTCATCTCTCCCTGTGGAGCCTGCCACAAGTCATGAGAGAGTTTGGCACCAGCTGGCCGTGTACAT
 GACCAAGCCGGATGGCACATTCGTAGTCAGGACGGTCCAGGAGCTGCTGCCGGCCTGTTTGGACCTGAA
 GACCTGCAGAAGATTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200978 representing NM_028176
 Red=Cloning site Green=Tags(s)

MAQERPSCAVEPEHVQRLSSREAKKSAYCPYSRFPVGAALLTGDGRIFSGCNIENACYPLGVCAERTA
 IQKAISEGYKDFRAIAISSDLQEEFISPCGACRQVMREFGTDWAVYMTKPDGTFVVRTVQELLPASFGPE
 DLQKIQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

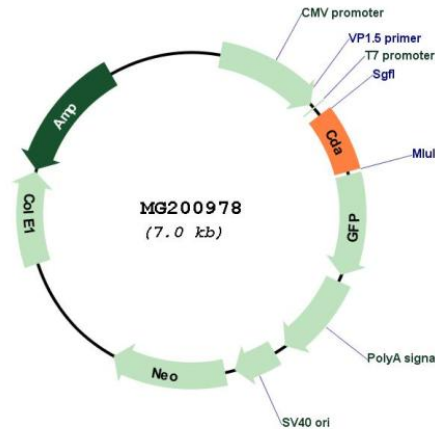


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Cloning Scheme:



Plasmid Map:



ACCN: NM_028176

ORF Size: 438 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_028176.1</u> , <u>NP_082452.1</u>
RefSeq Size:	833 bp
RefSeq ORF:	441 bp
Locus ID:	72269
UniProt ID:	<u>P56389</u>
Cytogenetics:	4 D3
Gene Summary:	This enzyme scavenges exogenous and endogenous cytidine and 2'-deoxycytidine for UMP synthesis.[UniProtKB/Swiss-Prot Function]