

Product datasheet for **RR202464**

Cd81 (NM_013087) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd81 (NM_013087) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd81
Synonyms: Tapa1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202464 representing NM_013087
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGGTGGAAGGCTGCACCAATGCATCAAATACCTGCTCTTCGTCTTCAATTCGTCTTCTGGCTGG
CTGGAGGTGTGATCCTAGGTGTAGCTCTGTGGTTGCGCCATGATCCACAAACCACCAGCCTTCTCTACCT
GGAAGTGGGAGACAAACCAGCACCTAGCACCTTCTATGTGGGCATCTACATTCTCATTGCTGTGGGAGCT
GTGATGATGTTTGTAGGCTTCTGGGGTCTATGGGGCCATCCAGGAGTCCCAGTGCCTGCTGGGGACGT
TCTTCACTTGCCTTGTGATCCTGTTTGCCTGTGAGGTAGCTGCGGGCATCTGGGGCTTGTAAACAAGA
CCAGATCGCCAAGGATGTGAAGCAGTTCTACGACCAGGCCCTTCAGCAGGCTGTGATGGATGATGATGCC
ACAATGCCAAGGCAGTGGTGAAGACCTTCCATGAGACGCTCAACTGTTGTGGCTCCAATACGCTGACCA
CACTGACCACCACCGTCTGAGGAACAGCCTGTGTCCCTCAAGCAGCAACTCATTCACTCAGCTTCTGAA
GGAAGACTGCCATCAGAAAATCGATGAGCTCTTTTCTGGGAAGCTGTACCTCATTGGAATTGCAGCCATT
GTGGTAGCTGCATTATGATCTTCGAGATGATTCTGAGCATGGTCTGTGCTGTGGCATCCGGAACAGCT
CCGTGTAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202464 representing NM_013087
Red=Cloning site Green=Tags(s)

MGVEGCTKCIKYLLFVFNVFWLAGGVILGVALWLRHDPQTTSLLYLELGDKPAPSTFYVGIYILIAVGA
 VMMFVGFLLGCGYAIQESQCLLGTFFFTCLVILFACEVAAGIWFVVKDQIAKDVKQFYDQALQQAVMDDDA
 NNAKAVVKTFHETLNCCGSNTLTLTTTVLRNSLCPSSNSFTQLLKEDCHQKIDELFSGLKYLIGIAAI
 VVAVIMIFEMILSMVLCGGIRNSSVY

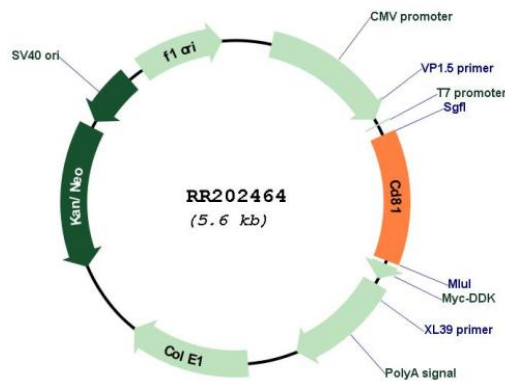
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013087

ORF Size: 708 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_013087.2, NP_037219.2</p>
RefSeq Size:	<p>1480 bp</p>
RefSeq ORF:	<p>711 bp</p>
Locus ID:	<p>25621</p>
Cytogenetics:	<p>1q41-q42</p>
MW:	<p>25.9 kDa</p>
Gene Summary:	<p>may play a role in glial scar formation in response to astrocyte injury; may be involved in regulation of cell interactions and cell growth [RGD, Feb 2006]</p>