

Product datasheet for **RR210085**

Cldn24 (NM_001110144) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn24 (NM_001110144) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cldn24
Synonyms: RGD1562043
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210085 representing NM_001110144
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTCATCTCAAACGGCCATGCAATCGGTCGCGCTTCTCTGTCATTGCTGGGATGGGTTCTAG
CCATTACTACCAGTATCTGCCACACTGGAAGAACCTCAACCTGGAGCTGAACGAGATGGAAAACCTGGAC
CATGGGGCTCTGAAAATCTGCGTCATCCAGGAGGAGGTCGGGAGGCAATGCAAGGACTTTGACTCCTTC
CTGGCCTTGCCAGCTGAAGTGCAGATCTCCAGGATCCTGATGTCCCTGTCCAATGGGCTGGGGCTGCTGG
GCTTGCTGGCCTCTGGCTGTGGCCTGGACTGTCTGAGGCTCGGAGAGACCCGGAAGGGTCTGAAGAGCGG
ACTGCTCATCCTGGGAGGGACCCTGCTCTGGACCTCTGGTGTGATGGTCCTGGTTCTGTCTCCTGGGTG
GCCCACATGACAGTGCAAGATTCTGGGATGAGACTGTACCTGAGATTGTGCCAGGTGGGAGTTTCGGGG
AGGCCCTGTTCTGGGCTGGTTTGTGGTCTCTGCCTGGTGTCTGGAGGATGTGTGCTTCACTGTGCAGC
CTGCTGGAGGCCGGCTCCTCCAGCCTCGGGCCACTATGCAGTGGCGGGACTTGGAGACCACAGTTTCATAC
CTGGAAAATGAACTGCACAGCCTAAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210085 representing NM_001110144
 Red=Cloning site Green=Tags(s)

MAFIFKTAMQSVALSLSLLGWVLAITTTYLPHWKNLNLELNEMENWTMGLWKSCVIEEVGRQCKDFDSF
 LALPAELQISRILMSLSNGLGLLLASGCLDCLRLGETRKLKRRLILGGTLLWTSVMVLPVSWV
 AHMTVQEFWDETVPEIVPRWEFGEALFLGWFAGLCLVLGGCVLHCAACWRPAPPASGHYAVAGLDHSSY
 LENGTAQPKV

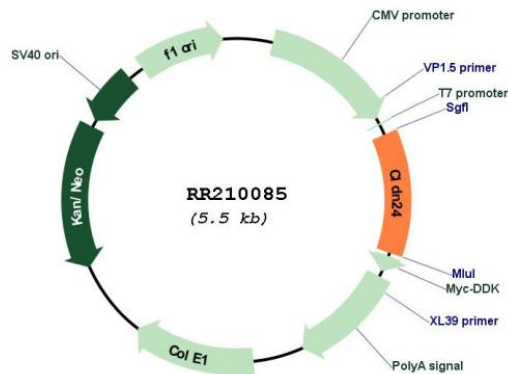
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001110144

ORF Size: 660 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:	NM_001110144.1 , NP_001103614.1
RefSeq Size:	663 bp
RefSeq ORF:	663 bp
Locus ID:	502083
Cytogenetics:	16q11
MW:	24.2 kDa