OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR210685

Cldn4 (NM_001012022) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn4 (NM_001012022) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cldn4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RR210685 representing NM_001012022
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTCCATGGGGCTGCAGGTGCTGGGAATCTCCTTGGCCGTCCTGGGCTGGTTAGGAGTCATCCTGA
GTTGTTCGCTCCCCATGTGGCGGGTGACCGCCTTCATCGGCAGCAACATCGTCACGGCGCAGACGAGCTG
GGAAGGCCTGTGGATGAACTGCGTGGTGCAGAGCACCGGCCAGATGCAGTGCAAGATGTACGACTCGATG
CTGGCCCTGCCGCAGGACCTGCAGGCCGCCCGAGCCCTGATGGTCATCAGCATCATCGTGGGTGCTCTGG
GGATGCTTCTCTCAGTCGTAGGGGGCAAGTGCACCAACTGCATGGAGGACGAGACCGTCAAGGCCAAGGT
CATGATCACAGCCGGAGCCGTGTTCATCGTGGCAAGCATGCTGATTATGGTGCCTGTGTCCTGGACGGCA
CACAACGTCATCCGCGACTTCTACAACCCTCTGGTGGCTTCCGGGCAGAAAAGGGAGATGGGGGCCTCGC
TTTACATCGGCTGGGCGGCTTCTGGGCTGCTGCTCCTGGGAGGAGGCCTCCTCTGCTGCAATTGCCCACC
TCGCCGCAACGAAAAGCCCTACTCCGCCAAGTACTCCGCCGCCCGCTCTGTTCCCGCCAGCAACTATGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RR210685 representing NM_001012022
Red=Cloning site Green=Tags(s)

MASMGLQVLGISLAVLGWLGVILSCSLPMWRVTAFIGSNIVTAQTSWEGLWMNCVVQSTGQMQCKMYDSM
LALPQDLQAARALMVISIIVGALGMLLSVVGGKCTNCMEDETVKAKVMITAGAVFIVASMLIMVPVSWTA
HNVIRDFYNPLVASGQKREMGASLYIGWAASGLLLLGGGLLCCNCPPRRNEKPYSAKYSAARSVPASNYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/ja1763_g06.zip

View online »

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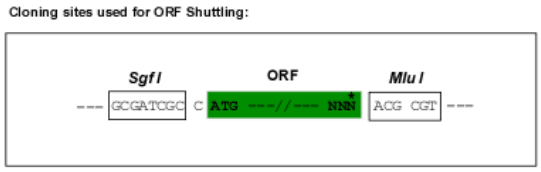
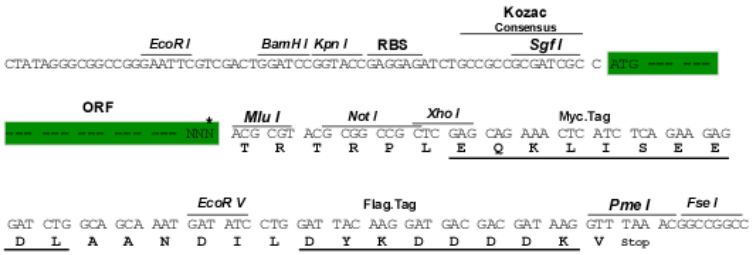
Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_001012022

ORF Size: 630 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_001012022.1, NP_001012022.1

RefSeq Size: 1824 bp

RefSeq ORF: 633 bp

Locus ID: 304407

Cytogenetics: 12q12

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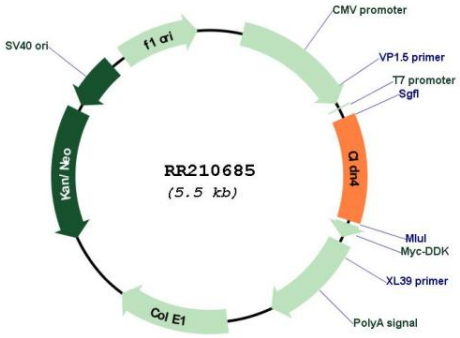
MW: 22.9 kDa

Product images:



Circular map for RR210685

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