

Product datasheet for **RR209298**

Cldn12 (NM_001100813) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn12 (NM_001100813) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cldn12
Synonyms: RGD1561053
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209298 representing NM_001100813
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGCTGCCGAGATGTCCATGCAGCCACGGTCCTCTCCTTCTGTGCGGCATTGCCTCTGTAGCAGGCC
TCTTCGCGGGGACTCTGCTTCCCAACTGGAGGAAGCTGCGACTCATCACATTCAACAGAAATGAGAAGAA
CCTGACGATCTACACGGCCTGTGGTGAAGTGCGCCGGTATGACGGAAGCAGTGACTGCCTGATGTAC
GACCGCACTTGGTACCTGTCGGTCGACCAGCTGGACCTGCGCGTCTCCAGTTTCGCCCTGCCCTCAGCA
TCCTGATCGCAATGGGTGCCTTGCTGCTGCTGCCTGATTGGGATGTGCAACACGGCCTCAAGTCTTCGGT
GCCTAACATCAAAGTGGCCAAGTGTCTGGTCAATAGTGCAGGCTGCCACCTGGTGGCTGGACTCCTGTTT
TTCTGGCAGGTACCGTACGCTCTCTCCATCCATCTGGGCCATCTTCTATAACAGCCATCTCAACAAGA
AGTTCGAGCCGGTCTTTACCTTTGACTATGCAGTGTGTCACGATCGTAGCTCAGGGGGTCTGTTTCAT
GACTGCTCTTCTGCTGTTTGGTACTGTGCATGCAAGTCTTTGTCTCTCTCTTTCTGGCAGCCACTG
TACTCCATCCTCTGGGATGCACACTTACTCACAGCCATTTCATCACGGTCCCGCCTCTGCCATTG
AAATTGACATTCGGTAGTTTCACATAGCACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209298 representing NM_001100813
Red=Cloning site Green=Tags(s)

MGCRDVAATVLSFLCGIASVAGLFAGTLLPNWRKRLRITFNRNEKNLT IY TGLWVKARYDGS SDCLMY
 DRTWYLSVDQLDLRVLQFALPLSILIAMGALLLCLIGMCNTAFKSSVPNIKAKLCLVNSAGCHLVAGLLF
 FLAGTVLSLSPSIWAIIFYNSHLNKKFEPVFTFDYAVFVTIASSGGLFMTALLLVWYACKSLSSPFWQPL
 YSHPPGMHTYSQPYSSRSRLSAIEIDIPVVSHT

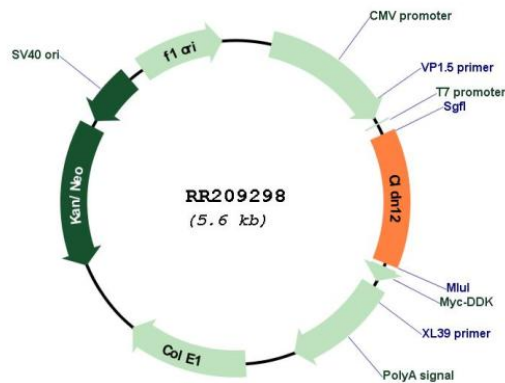
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100813
ORF Size: 732 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_001100813.1 , NP_001094283.1
RefSeq Size:	3480 bp
RefSeq ORF:	735 bp
Locus ID:	500000
Cytogenetics:	4q13
MW:	27 kDa