

## Product datasheet for **RC211544**

### CLDND1 (NM\_001040183) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLDND1 (NM_001040183) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLDND1
Synonyms:	C3orf4; GENX-3745; Z38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211544 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAACCGTTTTGCTACAGCATTTGTAATTGCTTGTGTGCTGAGCCTCATTCCACCATCTACATGG  
CAGCCTCCATTGGCACAGACTTCTGGTATGAATATCGAAGTCCAGTTCAAGAAAATTCAGTGATTTGAA  
TAAAAGCATCTGGGATGAATTCATTAGTGATGAGGCAGATGAAAAGACTTATAATGATGCACTTTTTCGA  
TACAATGGCACAGTGGGATTGTGGAGACGGTGTATCACCATACCCAAAAACATGCATTGGTATAGCCAC  
CAGAAAGGACAGAGTCATTTGATGTGGTCACAAAATGTGTGAGTTTCACACTAACTGAGCAGTTCATGGA  
GAAATTTGTTGATCCCGAAACCACAATAGCGGGATTGATCTCCTTAGGACCTATCTTTGGCGTTGCCAG  
TTCTTTTTACCTTTGTGAGTTTAGGTTTGTGCTTTGGGGCTTTGATCGGACTTTGTCTTGCATTT  
GCCGAAGCTTATATCCACCATTTGCCACGGCATTCTCCATCTCCTTGCAGGTCTGTGTACTGGGCTC  
AGTAAGTTGTTATGTTGCTGGAATTGAACTACTCCACCAGAACTAGAGCTCCCTGACAAATGATCCGGT  
GAATTTGGATGGTCTTCTGCCTGGCTTGTGTCTCTGCTCCCTTACAGTTCATGGCTTCTGCTCTTTCA  
TCTGGGCTGCTCACCAACCGAAAGAGTACACCTTAATGAAGGCATATCGTGTGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC211544 protein sequence  
 Red=Cloning site Green=Tags(s)

MDNRFATAFVIACVLSLISTIYMAASIGTDFWYEYRSPVQENSSDLNKSIWDEFISDEADEKTYNDALFR  
 YNGTVGLWRRICITIPKNMHWYSPPERTESFDVVTKCVSFTLTEQFMEKFVDPGNHNSGIDLLRXYLWRCQ  
 FLLPFVSLGLMCFGALIGLCACICRSLYPTIATGILHLLAGLCTLGSVSCYVAGIELLHQKLELPDNLVSG  
 EFGWSFCLACVSAPLQFMASALFIWAAHTNRKEYTLMKAYRVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6557\\_d11.zip](https://cdn.origene.com/chromatograms/mk6557_d11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001040183

**ORF Size:** 759 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\\_001040183.1](#), [NP\\_001035273.1](#)

**RefSeq Size:** 2188 bp

**RefSeq ORF:** 762 bp

**Locus ID:** 56650

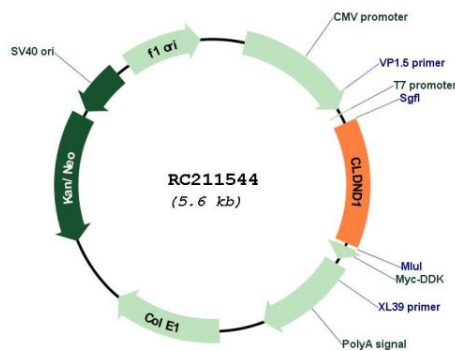
**UniProt ID:** [Q9NY35](#)

**Cytogenetics:** 3q11.2

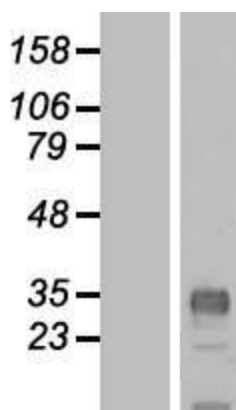
**Protein Families:** Transmembrane

**MW:** 28.6 kDa

**Product images:**



Circular map for RC211544



Western blot validation of overexpression lysate (Cat# [LY421717]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211544 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).