

Product datasheet for **RC205502**

CLDND1 (NM_001040181) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLDND1 (NM_001040181) 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:	>RC205502 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAACCGTTTTGCTACAGCATTTGTAATTGCTTGTGTGCTGAGCCTCATTCCACCATCTACATGG
CAGCCTCCATTGGCACAGACTTCTGGTATGAATATCGAAGTCCAGTTCAAGAAAATTCAGTGATTTGAA
TAAAAGCATCTGGGATGAATTCATTAGTGATGAGGCAGATGAAAAGACTTATAATGATGCACTTTTTCGA
TACAATGGCACAGTGGGATTGTGGAGACGGTGTATCACCATACCCAAAAACATGCATTGGTATAGCCAC
CAGAAAGGACAGAGTCATTTGATGTGGTCACAAAATGTGTGAGTTTCACACTAACTGAGCAGTTCATGGA
GAAATTTGTTGATCCCGAAACCACAATAGCGGGATTGATCTCCTTAGGACCTATCTTTGGCGTTGCCAG
TTCTTTTACCTTTTGTGAGTTTAGGTTTGTGCTTTGGGGCTTTGATCGGACTTTGTGCTTGCATT
GCCGAAGCTTATATCCACCATTGCCACGGCATTCTCCATCTCCTTGCAAGTCTGTGTACTGGGCTC
AGTAAGTTGTTATGTTGCTGGAATTGAACTACTCCACCAGAACTAGAGCTCCCTGACAAATGATCCGGT
GAATTTGGATGGTCTTCTGCCTGGCTTGTGTCTCTGCTCCCTTACAGTTCATGGCTTCTGCTCTTTCA
TCTGGGCTGCTCACCAACCGAAAGAGTACACCTTAATGAAGGCATATCGTGTGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205502 protein sequence
 Red=Cloning site Green=Tags(s)

MDNRFATAFVIACVLSLISTIYMAASIGTDFWYEYRSPVQENSSDLNKSIWDEFISDEADEKTYNDALFR
 YNGTVGLWRRICITIPKNMHWYSPPERTESFDVVTKCVSFTLTEQFMEKFVDPGNHNSGIDLLRXYLWRCQ
 FLLPFVSLGLMCFGALIGLCACICRSLYPTIATGILHLLAGLCTLGVSVCYVAGIELLHQKLELPDNLVSG
 EFGWSFCLACVSAPLQFMASALFIWAAHTNRKEYTLMKAYRVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: 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_001040181

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_001040181.1](#), [NP_001035271.1](#)

RefSeq Size: 2193 bp

RefSeq ORF: 762 bp

Locus ID: 56650

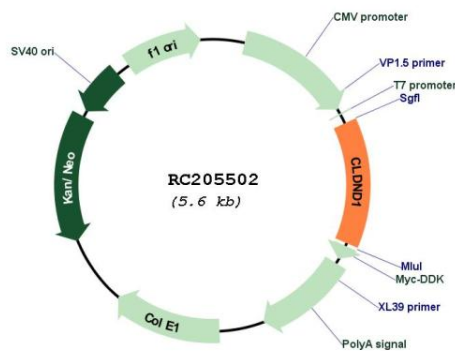
UniProt ID: [Q9NY35](#)

Cytogenetics: 3q11.2

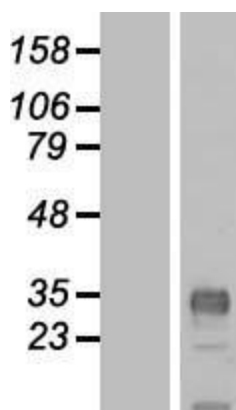
Protein Families: Transmembrane

MW: 28.6 kDa

Product images:



Circular map for RC205502



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]).