

Product datasheet for MR228645

Cldnd1 (NM_001252451) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldnd1 (NM_001252451) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cldnd1
Synonyms: 1110019C08Rik; AA407103; A1849195; AW489850; Cldn25
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228645 representing NM_001252451
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGGTGATAGACTAGAGAACAAGACTTCTGTCTCCGTAGCATCTTGGAGCAGTCTGAATGCCAGAA
 TGGATAACCGTTTTGCTACTGCGTTTGTGATTGCTTGTGTGCTTAGTCTGATTTCCACCATCTACATGCC
 GGCTCCATAGGCACGGACTTCTGGTATGAGTATCGAAGTCCCATTCAAGAGAATTCAAGTACTCGAAT
 AAAATCGCCTGGGAAGATTTCTCGGTGACGAGCGGATGAGAAGACTTACAACGATGTTCTGTTCCGAT
 ACAACGGCAGCTTGGGGCTGTGGAGACGGTGCATCACCATACCAAAAACTCACTGGTATGCCACC
 GGAAAGGACAGAGTCATTTGATGTGTTACCAATGCATGAGTTTCACTAAACGAGCAGTTTCATGGAG
 AAGTATGTGGACCCCGCAACCAATAGCGGCATCGACCTGCTTCGCACCTGTCTGTGCACACTGGGCT
 CCGTGAGTTGCTATGTTGCCGGCATTGAACTCTTACATCAGAAAGTAGAGCTGCCAAGGATGTATCTGG
 AGAATTTGGATGGTCCTTCTGCCTGGCCTGCGTCTCGGCTCCCTTACAGTTTCATGGCGGCCGCTCTCTTC
 ATCTGGGCTGCCACACCAACCGAAAGGTACACCTTAATGAAGGCTTATCGTGTGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228645 representing NM_001252451
Red=Cloning site Green=Tags(s)

MGGDRLENKTSVSVASWSSLNARMDNRFATAFVIACVLSLISTIYMAASIGTDFWYEYRSPIQENSSDSN
 KIAWEDFLGDEADEKTYNDVLFYNGSLGLWRRCTITIPKNTHWYAPPERTESFDVVTCKCMSFTLNEQFME
 KYVDPGNHNSGIDLLRCTLCLGVSVCYVAGIELLHQKVELPKDVSGEFGWSFCLACVSAPLQFMAAALF
 IWAHTNRKEYTLMKAYRVA

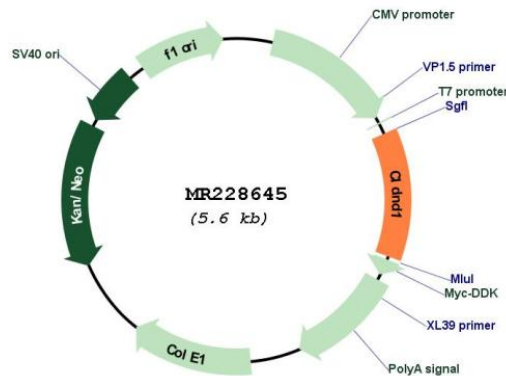
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252451

ORF Size: 690 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_001252451.1 , NP_001239380.1
RefSeq Size:	2049 bp
RefSeq ORF:	693 bp
Locus ID:	224250
Cytogenetics:	16 C1.2
MW:	26.5 kDa