

## Product datasheet for MR228939

### Cldnd1 (NM\_001252450) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cldnd1 (NM\_001252450) 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:** >MR228939 representing NM\_001252450  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGGTGATAGACTAGAGAACAAGACTTCTGTCTCCGTAGCATCTTGGAGCAGTCTGAATGCCAGAA  
TGGATAACCGTTTTGCTACTGCGTTTGTGATTGCTTGTGTGCTTAGTCTGATTTCCACCATCTACATGCC  
GGCCTCCATAGGCACGGACTTCTGGTATGAGTATCGAAGTCCCATTCAAGAGAATTCAAGTACTCGAAT  
AAAATCGCCTGGGAAGATTTCTCGGTGACGAGCGGATGAGAAGACTTACAACGATGTTCTGTTCCGAT  
ACAACGGCAGCTTGGGGCTGTGGAGACGGTGCATCACCATACCAAAAACTCACTGGTATGCCACC  
GGAAAGGACAGAGTCATTTGATGTGTTACCAATGCATGAGTTTCACTAAACGAGCAGTTTCATGGAG  
AAGTATGTGGACCCCGCAACCAATAGCGGCATCGACCTGCTTCGCACCTACCTGTGGCGCTGCCAGT  
TCCTTTTACCCTTCGTACGCTTGGGCTTGTGCTTTGGGGCGTTGATTGGCCTCTGTGCTGTATCTG  
CCGAGCCTGTATCCACCCTCGCCACTGGCATTCTCCATCTCCTTGCAGGTCTGTGCACACTGGGCTCC  
GTGAGTTGCTATGTTGCCGGCATTGAACTTTACATCAGAAAGTAGAGCTGCCAAGGATGATCTGGAG  
AATTTGGATGGTCTTCTGCCTGGCTGCGTCTCGGCTCCCTTACAGTTTATGGCGCGCTCTTTCAT  
CTGGGCTGCCACACCAACCGGAAAGAGTACACCTAATGAAGGCTTATCGTGTGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR228939 representing NM\_001252450  
Red=Cloning site Green=Tags(s)

MGGDRLENKTSVSVASWSSLNARMDNRFATAFVIACVLSLISTIYMAASIGTDFWYEYRSPIQENSSDSN  
 KIAWEDFLGDEADEKTYNDVLFYRNGSLGLWRRCTITIPKNTHWYAPPERTESFDVVTCKCMSFTLNEQFME  
 KYVDPGNHNSGIDLLRITYLWRCQFLLPFVSLGLMCFGALIGLCACICRSLYPTLATGILHLLAGLCTLGS  
 VSCYVAGIELLHQKVELPKDVSGEFGWSFCLACVSAPLQFMAAALFIWAAHTNRKEYTLMKAYRVA

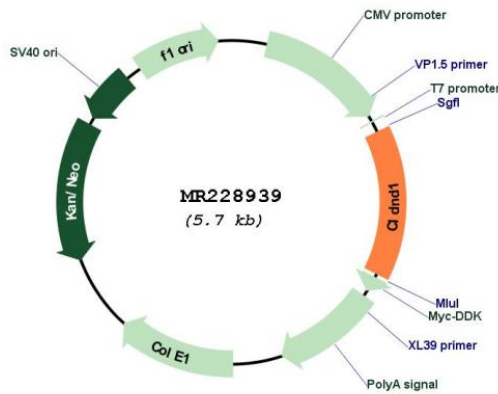
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001252450  
**ORF Size:** 828 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001252450.1</a> , <a href="#">NP_001239379.1</a>
<b>RefSeq Size:</b>	2187 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	224250
<b>Cytogenetics:</b>	16 C1.2
<b>MW:</b>	31.5 kDa