

Product datasheet for MC211683

Cldn22 (NM_029383) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn22 (NM_029383) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn22
Synonyms: 2210404A22Rik; 5330431C14Rik; 9530051B05Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211683 representing NM_029383
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTTAGTCTCCGAACGGCAACGCAGGGCTGCACTTCTGCTCTCCCTGCTGGGATGGGTTTTAT
CCTGCCTTACAACTACTTGCCGACTGGAAGAACCTTAACTTGGAGCTGAACGAGATGGAGAAGCTGGAC
CATGGGGCTCTGAAAATCCTGCGTCATCCAGGAGGAAGTCGGGAGGCAATGCAAGGACTTTGACTCCTTC
CTGGCCTTGCCAGCTGAACTGCAGGTCTCCAGGGTCTTGATGTCCCTGTGCAACGGGCTGGGGCTGCTGG
GCTTGCTGGCCTCTGGCTGTGGCCTGGACTGCTTGAGGCTTGAGAGACACAGGAGGGTCTGAAGAAGCG
GCTGCTCACCTGGGAGGGACCCTGCTCTGGACCTCGGGAGTCATGGTGCTAGTTCCTGTCTCTGGGTG
GCCCACAAGACGGTGCGGGAGTTCTGGGATGAGACCATGCCTGAGATTGTGCCAGGTGGGAGTTTGGGG
AGGCCCTGTTCTGGGCTGGTTTGGCTGGCTTCTGCCTGGTGCTAGGAGGGTGTGTGCTTCACTGTGCAGC
CTGCTGGAGCCCGGCTCCTGCAGCCTCGAGTCACTATGCAGTGGCGGGACCTCGAGACCACCAGCAGCAT
CTGGAGCTGAAGCAAGCCAATCCAGAAAT**CTAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029383
Insert Size: 663 bp



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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: | <u>NM_029383.1</u> , <u>NP_083659.1</u> |
| RefSeq Size: | 994 bp |
| RefSeq ORF: | 663 bp |
| Locus ID: | 75677 |
| UniProt ID: | <u>Q9D7U6</u> |
| Cytogenetics: | 8 B1.1 |
| Gene Summary: | This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is intronless and overlaps the 3' UTR of the Wwc2 gene (GeneID: 52357) on the opposite strand. [provided by RefSeq, Aug 2010] |