

Product datasheet for MC215513

Cldn24 (NM_001111318) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn24 (NM_001111318) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn24
Synonyms: Gm10107
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215513 representing NM_001111318
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTCATCTTCAGAACGGCCATGCAATCAGTAGGGCTTCTCTGTCATTGCTGGGATGGGTTCTAG
CCATTATTACCACATATCTACCACACTGGAAGAACCTTAACCTGGAGCTGAACGAGATGGAGAAGCTGGAC
CATGGGGCTCTGAAAATCTGCGTCATCCAGGAGGAAGTCGGGAGGCAATGCAAGGACTTTGACTCCTTC
CTGGCCTTGCCAGCTGAAGTGCAGGTCTCCAGGGTCTTGATGTCCCTGTGCAACGGGCTGGGGCTGCTGG
GCTTGCTGGCCTCTGGCTGTGGCCTGGACTGCTTGAGGCTTGAGAGACACAGGAGGGTCTGAAGAAGCG
GCTGCTCACCCCTGGGAGGGACCCTGCTCTGGACCTCGGGAGTCATGGTGCTAGTTCCTGTCTCTGGGTG
GCCCACAAGACGGTGCAGGAGTTCTGGGATGAGACCATGCCTGAGATTGTGCCAGGTGGGAGTTTGGGG
AGGCCCTGTTCTGGGCTGGTTTGGCTGGCTTCTGCCTGGTGCTAGGAGGGTGTGTGCTTCACTGTGCAGC
CTGCTCGAGCCCAGCTCCTGCAGCCTCGAGTCACTATGCAGGGCGGGACCTCGAGATCATGGTTTCATAC
CTAGAAAATGGAAGTGTACAGCCTAAAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001111318
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_001111318.1</u> , <u>NP_001104788.1</u> |
| RefSeq Size: | 663 bp |
| RefSeq ORF: | 663 bp |
| Locus ID: | 100039801 |
| 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. The protein encoded by this gene is 75% identical to the human homolog. Similar to the human gene, this gene is upstream of the Cldn22 gene, which overlaps the Wwc2 gene on the opposite strand. [provided by RefSeq, Aug 2010] |