

Product datasheet for MC210020

Cldn14 (NM_001165926) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn14 (NM_001165926) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn14
Synonyms: AI851731
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210020 representing NM_001165926
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGCACAGCGGTCCAGCTCCTAGGCTTCTGCTTAGCTTCTGGGCATGGTAGGAACGCTCATCA
 CCACCATCTGCCACACTGGCGGAGGACGGCCATGTGGGCACCAACATCCTGACTGCCGTATCCTACCT
 GAAGGGACTGTGGATGGAATGTGTGTGGCACAGCACAGGCATCTACCAGTGCAGATCTACCGCTCACTG
 CTGGCGCTGCCCGGGACTTGCAGGCCGCCGGCGCTCATGGTCATCTCCTGCCTGTTGTGGGCATGG
 CCTGCGCCTGCGCAGTAGTGGGCATGAAGTGCACACGCTGCGCCAAAGGCACACCCGCCAAGACCACCT
 TGCAGTGTGGGGGGCGCGCTCTTCTGCTGGCCGGCCTGCTGTGCATGGTGGCCGTGCTCTGGACCAG
 AATGACGTGGTGCAGAATTTTTATAACCCGCTGCTGCCAGTGGCATGAAGTTTGAATCGGCCAGGCC
 TGTACCTGGGCTTCATCTCCTCATCCCTGTCTCTCATCGGGGCCACCCGCTCTGCTTATCCTGCCAGGA
 CGAGGCCCCCTACAGACCCTACCCGCCCGAGTCCAGGGCCGGAGCTACCACCAGGCTACCGCCCTGCC
 TACCGCCACAGCGGCTACAAGGACAACCGTGCCCCCTCGGTGACCTCAGCCGCGCACAGTGGGTACA
 GGCTGAATGACTACGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001165926
Insert Size: 720 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:	NM_001165926.1 , NP_001159398.1
RefSeq Size:	1456 bp
RefSeq ORF:	720 bp
Locus ID:	56173
UniProt ID:	Q9Z0S3
Cytogenetics:	16 C4
Gene Summary:	<p>This gene encodes a member of the claudin family of tight junction proteins. The encoded protein is an integral membrane protein that may function in maintaining apical membrane polarization in tight junctions located between outer hair cells and supporting cells. Loss of function of this gene is associated with hearing problems. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>