

Product datasheet for MC200803

Cldn3 (BC012650) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn3 (BC012650) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cldn3
Synonyms: A1182374; Cpetr2; mRVP1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC012650
 CCACGCGTCCGCCCTGAGCTGCCCGGCCGAGCCGGTTCAAGTCCAGCAGCCATGTCCATGGGCCTGGAGA
 TCACCGGCACGTGCTGGCCGTGCTGGGCTGGCTGTGCACCATCGTGTGCTGCGCCCTTCCCATGTGGCG
 CGTTTCGGCCTTCATCGGCAGCAGCATCATCACGGCGCAGATCACCTGGGAGGGCCTGTGGATGAACTGC
 GTGGTGCAGAGCACCCGGTCAGATGCAAGTCAAAATGTACGACTCGCTGCTGGCCGCTTCGGGCTCCTCG
 TGGCGCTCGTGGGCGCCAGTGTACCAACTGCGTACAAGACGAGACGGCCAAGGCCAAGATCACCATCGT
 GGCGGGAGTGCTTTTCTGTTGGCGGCTGCTCACCTTAGTACCGGTGCTCTGGTGGCCAACACCATC
 ATCAGGGATTTCTATAACCCGTTGGTGCCCGAGGCCAGAAAGCGGGAGATGGGAGCTGGGTTGTACGTGG
 GCTGGGCTGCCCGCGCTGCAGTTGCTAGGGGGCGCCTTGCTGTGTTGCTCCTGCCACCGCGCGACAA
 GTATGCACCCACCAAGATCCTCTATTCTGCGCCGCGATCCACCGCCCTGGCACCAGTACCGGCACCGCC
 TACGACCACAAGGACTACGTCTGAGGGGCCGGTGCACGCAGACCGTACCGTACCCTACCAGCAGTCCG
 ATGAACCCACCCGTCCAGCGTGACGCCTCGCTGAGACTACCGGGCCTAGGAACTGTCCAAGCCGAA
 TGGACAAAGAAACCTCGCCCTTCCAAGAACTGGGCTGGGGTGGCCACTGCAGCTACTTGCCAGCCCGC
 AGAAGCTCACAGTGGGCAGAGACAGGCAAACCATGAAACGGGCCATTTTCATATTTTCAATAAAAGTCTT
 TCGTTTTTTGCAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC012650
Insert Size: 603 bp

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).



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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>BC012650, AAH12650</u>
RefSeq Size:	999 bp
RefSeq ORF:	603 bp
Locus ID:	12739
Cytogenetics:	5 74.93 cM
Gene Summary:	<p>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 a low-affinity receptor for clostridium perfringens enterotoxin (CPE) produced by the bacterium Clostridium perfringens, and the interaction with CPE results in increased membrane permeability by forming small pores in plasma membrane. This protein is highly overexpressed in uterine carcinosarcoma. This protein is also predominantly present in brain endothelial cells, where it plays a specific role in the establishment and maintenance of blood brain barrier tight junction morphology. [provided by RefSeq, Aug 2012]</p>