

Product datasheet for MC210123

Cldn13 (NM_020504) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: Cldn13

Synonyms: 2500004B14Rik

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC210123 representing NM_020504
Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCGTGACAAACAAGAGGCCATCAGCTTCTCTGTGACTTCACTGGGTTGGGTGGGTGCCATTGTGA
GCTGCGTGTGCCGTTTGGAGGGTGACCTTCCAGATGATGAGACAGACCCAGATGCCACCATTTGGGA
GGGTCTGTGGCACATATGCCAGGTTTCGGGAAAACAGGTGGATACAGTGTACACTGTATGACACCCGGATA
CTGGTAGCACAGGACATAAAGTGTCTCGAGTCTTTATGGTCATCTGTACCATTTGGAACCTGGCTGGGAT
TGCTGCTCTGTGTGCTTGGGATTGGCGCATCAATTGTTTCATGAATTTTACTATTGAAGAGAACCTCTT
GAAAGTAGCCGGTGGGATGTTTCTTAGTGTGGCCTTCTGATGCTGGTACCCCTGCTCCTGGGTAACACAC
AACATCATCCATGGCTTCTTTAACCCATTGCTTGGCTTCTCGAAGAAAGTACAGATGGGCTCTTCACTCT
CCCTGGCCTGGACCAGTCCCTGCTGCTGTGCTGGGAGGCATCCTGCTGTGTCAACATCCAGTATG
CAGAGACTTTCCCGTTGCATTGAGACCCCTAGTGCTAGACCTTCAGGAGCCAACAACGATACCTTAGAT
GTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_020504

Insert Size: 636 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_020504.4</u> , <u>NP_065250.1</u>
RefSeq Size:	1070 bp
RefSeq ORF:	636 bp
Locus ID:	57255
UniProt ID:	<u>Q9Z0S4</u>
Cytogenetics:	5 G2
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 a developmentally expressed renal tight junction protein. This gene is expressed in the cecum, colon, liver and kidney of mice, but is not identified in rat tissues. Humans and chimpanzees lack this gene. [provided by RefSeq, Aug 2010]