

Product datasheet for **MG225640**

Cldn22 (NM_029383) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn22 (NM_029383) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cldn22
Synonyms: 2210404A22Rik; 5330431C14Rik; 9530051B05Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225640 representing NM_029383
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTTAGTCTCCGAACGGCAACGCAGGCGGCTGCACTTCTGCTCTCCCTGCTGGGATGGGTTTTAT
CCTGCCTTACAACTACTTGCCGACTGGAAGAACCTTAAGTGGAGCTGAACGAGATGGAGAAGTGGAC
CATGGGGCTTGAAATCCTGCGTCATCCAGGAGGAAGTCGGGAGGCAATGCAAGGACTTTGACTCCTTC
CTGGCCTTGCCAGCTGAAGTGCAGGCTCCAGGGTCTTGATGTCCCTGTGCAACGGGCTGGGGCTGCTGG
GCTTGCTGGCCTCTGGCTGTGGCCTGGACTGCTTGAGGCTTGAGAGACACAGGAGGGTCTGAAGAAGCG
GCTGCTCACCTGGGAGGACCCTGCTCTGGACCTCGGGAGTCATGGTGCTAGTTCTGTCTCCTGGGTG
GCCACAAGACGGTGCAGGATTTCTGGGATGAGACCATGCCTGAGATTGTGCCAGGTGGGAGTTTGGGG
AGGCCCTGTTCTGGGCTGGTTTCTGGCTTCTGCCTGGTGTAGGAGGGTGTGTCTTCACTGTGCAGC
CTGCTGGAGCCCGGCTCCTGCAGCCTCGAGTCACTATGCAGTGGCGGGACCTCGAGACCACCAGCAGCAT
CTGGAGCTGAAGCAAGCCAATCCAGAAATC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_029383.1 , NP_083659.1
RefSeq Size:	994 bp
RefSeq ORF:	663 bp
Locus ID:	75677
UniProt ID:	Q9D7U6
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]