

## Product datasheet for **SC217319**

### CLDN19 (NM\_148960) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CLDN19 (NM_148960) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CLDN19
Synonyms:	HOMG5
ACCN:	NM_148960
Insert Size:	2000 bp



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**Insert Sequence:**

>SC217319 3'UTR clone of NM\_148960

The sequence shown below is from the reference sequence of NM\_148960. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCTCCGCCAAGGGCCCCCTGGGTGTGTAATGTCCAGTCCCCAGCCAGGCTCTGTCCCTGCCATACCT
AGACTGTGTGTTTCATATTTTTTTTGAAAAGAGAAGTGAACATCCAGCCCCAATCATGGTATCATTGGT
CTGTCTCAGCGTGGCTTGGACGGGGCCTGTGTACAGAGTGGTCAGTGTGACCCCTGGGGCTCTTGGGC
AGAAAGATGAGGAGACAGAGGTCCAGGGTGGGTTACATAGCACATCCAGGGCTAAGCAAGAAATAATTC
AGAGGTCTACCTCTGTCTAGGACCCCCCTCCAAGCTGGCCTTGGCCTTGGCACAAAGTCTCTCT
TGATAGGAGATCCACTCACTCTGGAGGCTGCCCTGAGGCTTGGCCAGCTCTAGGAGCAGTCCCCA
GGGTCAAGGAGCCCTGGTGTGAAAGAGGCCCAAGGTAGTAAACCCTGCCCTGTTACTGTGCTCCA
GAGACCTCCTAAGGGAAGGGACAGTTCCTGGAAGGCCCTCCAGCTGGATGCTGGGGATCAGCGATAGGT
GAGGGGACACAGTGTAGGAGCTCCCATGTAGAAAAGGGAATGTGGGGAGGGCGTTAGGAGCTTGCAGG
CATTAGGACTGTCTGAGCAAGGTCTGCAGCCCCAGCTCTGCTCACCCGAATCCTGCCCTTGTTC
CACACCTACCATTCCTCCTCTCCTGATCCCCAGCATCCAGCTGAGGTCCAAGGTCTTTGTCTAGAATC
AGAGTGGGGAGGGGACAGCCTGGGGCTGCCAGAGACTGTGGGTGGAGCTGCCTGCTGCACTCAGCAGT
GCGGTCAAGAAAGGGCTTTTGGTCTTGAAGTCCAGGTACCATCCCCCTTAGCATACAGGGGGAAGGGC
CTGAGAGGAATGTAAGGAAACCAGCCAGATCAGTCCCAAGGCCAGAGTCTTTGTCCTACATCTCCCT
GAACCAGAGTGTGCCCTGCCCTCATGCTCAGACCTCTCCACCCAAACCCTCTCCCGGACTCAGTC
TCCCTGGCCACTGCGTATCAGGCTTCTGGGAAAGCATCCATCACAGAACCTCCCTTCCCTGCCACGC
ACCTTCCTTGGCCAGCTCCATTCTGGCCTCCTCCACCACCTGCCTTGTGACCACATCTCCACCAGGTC
CCCAGATCTCAAGAACGCAGCTCAGCTTCTCCTTCGAGCTTGACTCTGAGAGGAAAGTACGGAACC
AAGTCAGATGAGATGACTGCCATGTACTGCACTCAAGGGCAGGGAGGGAGGAATGACACAAATGGC
AGGGAGCTGTGGGGACTGACCCTCGGCGCCTGGCCTGGCCGGTGTGACATCCACCGGGGCACAA
CAGGGACTTGTCCAGCCTCTGGTACAGGATGTGGCCACCTGACCCTAAATAGGTTCCCCAGAGTCTG
CCCCTCTAATGAATGAGAACTGCAGGAGTTTCTCCTCTGGGTGCCTGAAGCTATAGTGAATGGTCCC
AACCTGCATGCACATTCGAATCACCTGGGGGCACAATGCCTAGGCTCCAACCCAGACACTCTTATTT
CATTGGTCTGGGTGGACCTGGCATCAGAAGTCATGTAGCTCCTCAGGGGACTGTAGTGTGTGGTCAGCA
CTGAGGGCTCCTCTATGAGGCCTCAAGCCAGGTGACTCTGTGAGGTCTGCAGAGGGAGAAAAGAACC
ACAAGGGAAGAGGTGGAGGTGAGCAGGTCAGGCACGGTGGCTCACGCTTGAATCCCAGCACTTTGGGAGCCGAGG
TGGGTAGATACCTGAAGTCAGGAGTTCGAGACTAGCCTGGCCAATATGGTAAAACCCCGTGTCTATTAA
AAATACAAAAATTAGCTGGCTGTGGTGGTGGGCACCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGG
AGAATCGCTTGAAGTCCGGGAGGTGGAGGTTGCAGTCAGCCAAGATCGTCCACTGCACACCATCTGG
ACGCGT AAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
```

**Restriction Sites:**

Sgfl-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

[NM\\_148960.3](#)

**Summary:** The product of this gene belongs to the claudin family. It plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Defects in this gene are the cause of hypomagnesemia renal with ocular involvement (HOMGO). HOMGO is a progressive renal disease characterized by primary renal magnesium wasting with hypomagnesemia, hypercalciuria and nephrocalcinosis associated with severe ocular abnormalities such as bilateral chorioretinal scars, macular colobomata, significant myopia and nystagmus. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jun 2010]

**Locus ID:** 149461

**MW:** 71.8