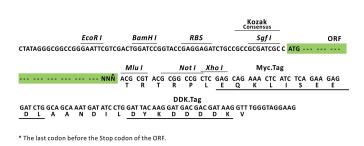


Product datasheet for RC225251L3

CLDN19 (NM_001123395) Human Tagged Lenti ORF Clone

Product data:

| Product Type: | Expression Plasmids |
|------------------------------|--|
| Product Name: | CLDN19 (NM_001123395) Human Tagged Lenti ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | CLDN19 |
| Synonyms: | HOMG5 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC225251). |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | |
| | Cloning sites used for ORF Shuttling: |
| | Sgf I ORF Mlu I |



---- GCG ATC GC ATG ---- //--- NNN ACG CGT ----

 ACCN:
 NM_001123395

 ORF Size:
 633 bp



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| CLDN19 (NM_001123395) Human Tagged Lenti ORF Clone – RC225251L3 | |
|---|---|
| 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. <u>More info</u> |
| 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 | Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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>NM 001123395.1</u> |
| RefSeq ORF: | 636 bp |
| Locus ID: | 149461 |
| UniProt ID: | <u>Q8N6F1</u> |
| Cytogenetics: | 1p34.2 |
| Protein Families: | Transmembrane |
| Protein Pathways: | Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction |
| MW: | 21.9 kDa |
| Gene 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] |

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