

Product datasheet for **RG211298**

LI Cadherin (CDH17) (NM_004063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LI Cadherin (CDH17) (NM_004063) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LI Cadherin
Synonyms:	CDH16; HPT-1; HPT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211298 representing NM_004063
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATACTTCAGGCCATCTTCACTCCCTGTGTCTTCTTATGCTTTATTTGGCAACTGGATATGGCCAAG
 AGGGGAAGTTTAGTGACCCCTGAAACCCATGACATTTTCTATTTATGAAGGCCAAGAACCGAGTCAAAT
 TATATTCAGTTAAAGCCAATCCTCCTGCTGACTTTTGAACAACTGGGAGACAGACAACATATTT
 GTGATAGAACGGGAGGGACTTCTGTATTACAACAGAGCCTTGGACAGGAAAACAAGATCTACTACAATC
 TCCAGGTTGCAGCCCTGGACGCTAATGGAATTATAGTGGAGGGTCCAGTCCCTATCACCATAGAAGTGAA
 GGACATCAACGACAATCGACCCACGTTTCTCCAGTCAAAGTACGAAGGCTCAGTAAGGCAGAACTCTCGC
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 TGACAGAGAATATTTGGAAGCACCAAAACCTGTGGAGATGGTGGAAAACCTCAACTGATCCTCACCCCAT
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 AACCTATGCTGGAATGTTACAGTTAGCTAACAGTCCTTGAAGAAGCAAGATACTCCTCAGTACAACCTTA
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 AGTTGTTCCGGCCAGCAGGTACCAGACTGGGATACCCACTGTGGCATGGCAGTTGGTATACTGCTGA
 CCACCCTTCTGGTGATTGGTATAATTTTAGCAGTTGTGTTTATCCGCATAAAGAAGGATAAAGGCAAAGA
 TAATGTTGAAAGTCTCAAGCATCTGAAGTCAAACCTCTGAGAAGC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211298 representing NM_004063
 Red=Cloning site Green=Tags(s)

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MILQAHLHSLCLLMLYLATGYGQEGKFSGPLKPMTFISIYEGQEPSQIIFQFKANPPAVTFELTGETDNIF
VIEREGLLYNRALDRETRSTHNLQVAALDANGIIVEGPVITIEVKDINDNRPTFLQSKYEGSVRQNSR
PGKPFLYVNATDLDDPATPNGQLYYQIVIQLPMINNVMYFQINNKTGAI SLTREGSQELNPAKNPSYNLV
ISVKDMGGQSENSFSDTTSVDIIVTENIWKAPKPVEMVENSTDPHPKITQVRWNDPGAQYSLVDKEKLP
RFPFSIDQEGDIYVTQPLDREEKDAYVFYAVAKDEYKPLSYPLEIHVKVKDINDNPPTCPSPVTVFEVQ
ENERLGNSIGTLTAHDRDEENTANSFLNYRIVEQTPKLPMDGLFLIQTYAGMLQLAKQSLKKQDTPQYNL
TIEVSDKDFKTLCFVQINVIDINDQIPIFEKSDYGNLTLAEDTNI GSTILTIQATDADEPFTGSSKILYH
I IKGDSEGR LGVDTDPHTNTGYVI IKKPLDFETA AVSNIVFKAENPEPLVFGVKYNASSFAKFTLIVTDV
NEAPQFSQHVFQAKVSEDVAIGTKVGNVTAKDPEGLDISYSLRGDTRGWLKIDHVTGEIFSVAPLDREAG
SPYRVQVVATEVGGSSLSVSEFHLILMDVNDNPPRLAKDYTG LFFCHPLSAPGSLIFEATDDDQHLFRG
PHFTFSLGSGSLQNDWEVSKINGTHARLSTRHTDFEEREYVVLIRINDGGRPPLEGIVSLPVTFCSCVEG
SCFRPAGHQGTGIPTVGMVAVGILLTLLVIGIILAVV FIRIKKDKGKDNVESAQASEVKPLRS
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_004063

ORF Size: 2496 bp

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:

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_004063.2](#), [NP_004054.2](#)

RefSeq Size: 3697 bp

RefSeq ORF: 2499 bp

Locus ID: 1015

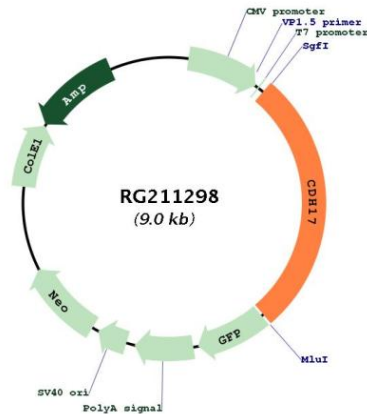
UniProt ID: [Q12864](#)

Cytogenetics: 8q22.1

Protein Families: Transmembrane

Gene Summary: This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts, acting as an intestinal proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization of liver and intestine. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]

Product images:



Circular map for RG211298