

Product datasheet for **SC314883**

PCDH10 (NM_020815) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH10 (NM_020815) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCDH10
Synonyms:	OL-PCDH; PCDH19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



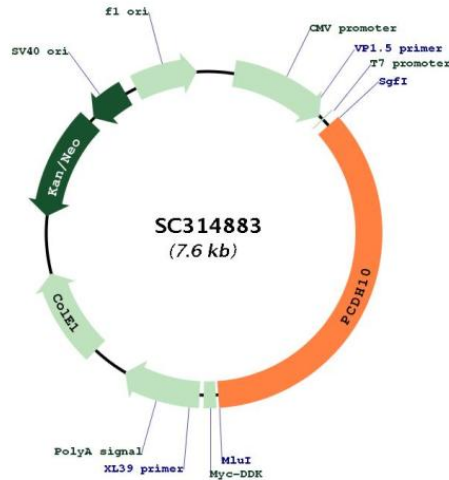
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Fully Sequenced ORF: >SC314883 representing NM_020815.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_020815

Insert Size: 2691 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_020815.2](#)

RefSeq Size: 4621 bp

RefSeq ORF: 2691 bp

Locus ID: 57575

UniProt ID: [Q9P2E7](#)

Cytogenetics: 4q28.3

Domains:	CA
Protein Families:	Druggable Genome, Transmembrane
MW:	97 kDa
Gene Summary:	<p>This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. This family member contains 6 extracellular cadherin domains, a transmembrane domain and a cytoplasmic tail differing from those of the classical cadherins. The encoded protein is a cadherin-related neuronal receptor thought to function in the establishment of specific cell-cell connections in the brain. This gene plays a role in inhibiting cancer cell motility and cell migration. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (2) is intronless, and its 3' terminal end extends past a splice site that is used in variant 1. This results in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform 2 which is shorter, and has a distinct C-terminus, compared to isoform 1.</p>