

## Product datasheet for **RG230683**

### PCDH7 (NM\_001173523) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH7 (NM_001173523) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCDH7
Synonyms:	BH-Pcdh; BHPCDH; PPP1R120
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230683 representing NM_001173523 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACCCCTCTGGACTATGAGGCCACCCGGGAGTTCAACGTGGTCATCGTGGCGGTGGACTCAGGCAGCCCCA  
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230683 representing NM\_001173523  
 Red=Cloning site Green=Tags(s)

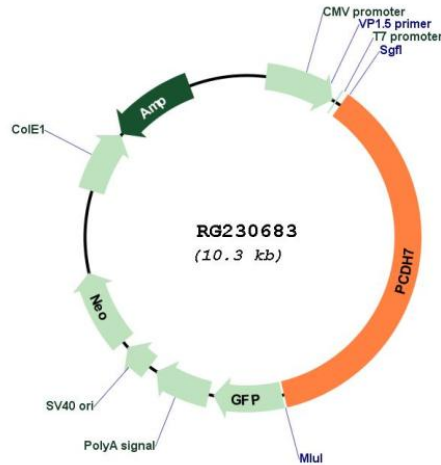
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 NGEAAIMGDRNRNLLNKKLTSSYETFSAASFKNEEANPEDIPLTKTGEYKPSPVNTLTRREYVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001173523

**ORF Size:** 3765 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\\_001173523.2](#)

**RefSeq Size:** 8728 bp

**RefSeq ORF:** 3768 bp

**Locus ID:** 5099

**Cytogenetics:** 4p15.1

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes a protein with an extracellular domain containing 7 cadherin repeats. The gene product is an integral membrane protein that is thought to function in cell-cell recognition and adhesion. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008]