

Datasheet for ABIN4946726

Human PCDH11Y ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	PCDH11Y
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PExp)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human PCDH11Y with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	4023 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTTTAGGG TTGGCTTCTT AATAATTCT TCTTCCTCTT CTCTCTCTCC TCTTCTTTTG GTCAGTGTTG TGCGGGTTAA TACAACAAAC TGTCACAAGT GTTTGTTGTC CGGGACGTAC ATTTTCGCGG TCCTGCTAGT ATGCGTGGTG TTCCACTCTG GCGCCCAGGA GAAAACTAC ACCATCCGAG AAGAAATTCC AGAAAACGTC CTGATAGGCA ACTTGTTGAA AGACCTTAAC

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TTGTCGCTGA TTCCAAACAA GTCCTTGACA ACTACTATGC AGTTCAAGCT AGTGTAACAAG
ACCGGAGATG TGCCACTGAT TCGAATTGAA GAGGATACTG GTGAGATCTT CACTACCGGC
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CCCCTTGGCT ATCCTCAGGA GGAGTACTTT GATCGTGCTA CACCCAGCAA TCGCACTGAA
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TGCCACAGCC CACCACCGAT ACAGGTGTCT GCTCTCCACC ACAGTCCTCC TCTAGTGCAG
GGTACTGCAC TTCACCACAG CCCACCATCA GCACAGGCCT CAGCCCTCTG CTACAGCCCT
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CATCGTAGTC AGGCCCAATC ATCAGTCAGT TTGCAGCAAG GTTGGGTGCA AGGTGCTAAT
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TCTGAAAGAC TTCATCCCAG TGATGATTCA ATTAAAGTCA TTCCTTTGAC AACCTTCGCT
CCACGCCAAC AGGCCAGACC GTCCAGAGGT GATTCCCCCA TTATGGAAAC ACATCCCTTG
TAA

Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	• Forward primer: 5'-TAATACGACTCACTATAGGG-3'

Product Details

- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene: PCDH11Y

Alternative Name: PCDH11Y ([PCDH11Y Products](#))

Background: This gene belongs to the protocadherin family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing seven cadherin repeats, a transmembrane domain, and a cytoplasmic tail that differs from those of the classical cadherins. This gene is located on the Y chromosome in a block of X/Y homology and is very closely related to its paralog on the X chromosome. The protein is thought to play a role in cell-cell recognition during development of the central nervous system. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013].

Gene ID: 83259

NCBI Accession: [NM_032973](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

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Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)