

Datasheet for ABIN4945515

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:	3114 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGACAGTGG GTTTAAATTC AGATATTTCA AGTGTGTGC GGGTTAATAC AACAACTGT CACAAGTGTT TGTTGTCCGG GACGTACATT TTCGCGGTCC TGCTAGTATG CGTGGTGTTT CACTCTGGCG CCCAGGAGAA AACTACACC ATCCGAGAAG AAATTCCAGA AAACGTCCTG ATAGGCAACT TGTTGAAAGA CCTTAACTTG TCGCTGATTC CAAACAAGTC CTTGACAACT

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ACTATGCAGT TCAAGCTAGT GTACAAGACC GGAGATGTGC CACTGATTTCG AATTGAAGAG
GATACTGGTG AGATCTTCAC TACCGGCGCT CGCATTGATC GTGAGAAATT ATGTGCTGGT
ATCCCAAGGG ATGAGCATTG CTTTTATGAA GTGGAGGTTG CCATTTTGCC GGATGAAATA
TTTAGACTGG TTAAGATACG TTTTCTGATA GAAGATATAA ATGATAATGC ACCATTGTTC
CCAGCAACAG TTATCAACAT ATCAATTCCA GAGAACTCGG CTATAAACTC TAAATATACT
CTCCCAGCGG CTGTTGATCC TGACGTAGGC ATAAACGGAG TTCAAAACTA CGAACTAATT
AAGAGTCAAA ACATTTTTGG CCTCGATGTC ATTGAAACAC CAGAAGGAGA CAAGATGCCA
CAACTGATTG TTCAAAAGGA GTTAGATAGG GAAGAGAAGG ATACCTATGT GATGAAAGTA
AAGGTTGAAG ATGGTGGCTT TCCTCAAAGA TCCAGTACTG CTATTTTGCA AGTAAGTGTT
ACTGATACAA ATGACAACCA CCCAGTCTTT AAGGAGACAG AGATTGAAGT CAGTATACCA
GAAAATGCTC CTGTAGGCAC TTCAGTGACA CAGCTCCATG CCACAGATGC TGACATAGGT
GAAAATGCCA AGATCCACTT CTCTTTCAGC AATCTAGTCT CCAACATTGC CAGGAGATTA
TTTCACCTCA ATGCCACCAC TGGACTTATC ACAATCAAAG AACCACTGGA TAGGGAAGAA
ACACCAAACC ACAAGTACT GGTTTTGGCA AGTGATGGTG GATTGATGCC AGCAAGAGCA
ATGGTGCTGG TAAATGTTAC AGATGTCAAT GATAATGTCC CATCCATTGA CATAAGATAC
ATCGTCAATC CTGTCAATGA CACAGTTGTT CTTTCAGAAA ATATTCCACT CAACACCAAA
ATTGCTCTCA TAACTGTGAC GGATAAGGAT GCGGACCATA ATGGCAGGGT GACATGCTTC
ACAGATCATG AAATTCCTTT CAGATTAAGG CCAGTATTCA GTAATCAGTT CCTCCTGGAG
AATGCAGCAT ATCTTGACTA TGAGTCCACA AAAGAATATG CCATTAAATT ACTGGCTGCA
GATGCTGGCA AACCTCCTTT GAATCAGTCA GCAATGCTCT TCATCAAAGT GAAAGATGAA
AATGACAATG CTCCAGTTTT CACCCAGTCT TTCGTAAGT TTTCTATTCC TGAGAATAAC
TCTCCTGGCA TCCAGTTGAT GAAAGTAAGT GCAACGGATG CAGACAGTGG GCCTAATGCT
GAGATCAATT ACCTGCTAGG CCCTGATGCT CCACCTGAAT TCAGCCTGGA TCGTCGTACA
GGCATGCTGA CTGTAGTGAA GAAACTAGAT AGAGAAAAAG AGGATAAATA TTTATTCACA
ATTCTGGCAA AAGATAATGG GGTACCACCC TTAACCAGCA ATGTCACAGT CTTTGTAAAGC
ATTATTGATC AGAATGACAA TAGCCCAGTT TTCACTCACA ATGAATACAA ATTCTATGTC
CCAGAAAACC TTCCAAGGCA TGGTACAGTA GGAATAATCA CTGTAAGTGA TCCTGATTAT
GGAGACAATT CTGCAGTTAC GCTCTCCATT TTAGATGAGA ATGATGACTT CACCATTGAT
TCACAACTG GTGTCATCCG ACCAAATATT TCATTTGATA GAGAAAAACA AGAATCTTAC
ACTTTCTATG TAAAGGCTGA GGATGGTGGT AGAGTATCAC GTTCTTCAAG TGCCAAAGTA
ACCATAAATG TGGTTGATGT CAATGACAAC AAACCAGTTT TCATTGTCCC TCCTTACAAC
TATTCTTATG AATTGGTTCT ACCGTCCACT AATCCAGGCA CAGTGGTCTT TCAGGTAATT
GCTGTTGACA ATGACACTGG CATGAATGCA GAGGTTTCGTT ACAGCATTGT AGGAGGAAAC
ACAAGAGATC TGTTTGCAAT CGACCAAGAA ACAGGCAACA TAACATTGAT GGAGAAATGT
GATGTTACAG ACCTTGTTT ACACAGAGTG TTGGTCAAAG CTAATGACTT AGGACAGCCT
GATTCTCTCT TCAGTGTTGT AATTGTCAAT CTGTTTCGTGA ATGAGTCAGT GACCAATGCT

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ACACTGATTA ATGAACTGGT GCGCAAAGC ATTGAAGCAC CAGTGACCCC AAATACTGAG
ATAGCTGATG TATCCTCACC AACTAGTGAC TATGTCAAGA TCCTGGTTGC AGCTGTTGCT
GGCACCATAA CTGTCGTTGT AGTTATTTTC ATCACTGCTG TAGTAAGATG TCGCCAGGCA
CCACACCTTA AGGCTGCTCA GAAAAACATG CAGAATTCTG AATGGGCTAC CCCAAACCCA
GAAAACAGGC AGATGATAAT GATGAAGAAA AAGAAAAAGA AGAAGAAGCA TTCCCCTAAG
AACCTGCTGC TTAATGTTGT CACTATTGAA GAAACTAAGG CAGATGATGT TGACAGTGAT
GGAAACAGAG TCACACTAGA CCTTCCTATT GATCTAGAAG AGCAAACAAT GGGAAAGTAC
AATTGGGTAA CTACACCTAC TACTTTCAAG CCTGACAGCC CTGATTTGGC CCGACACTAC
AAATCTGCCT CTCCACAGCC TGCCTTCCAA ATTCAGCCTG AAACTCCCCT GAATTTGAAG
CACCACATCA TCCAAGAACT GCCTCTCGAT AACACCTTTG TGGCCTGTGA CTCTATCTCC
AATTGTTCTT CAAGCAGTTC AGATCCCTAC AGCGTTTCTG ACTGTGGCTA TCCAGTGACA
ACCTTCGAGG TACCTGTGTC CGTACACACC AGACCGACTG ATTCCAGGAC ATGA

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'
- 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].

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Target Details

Gene ID: 83259

NCBI Accession: [NM_001278619](#)

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

Publications

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