

GAAATGACAATGCTCCAGTTTTACCCAGTCTTCGTAAGTGTTCCTGAGAATAACTCTCCTG
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AGGCCCTGATGCTCCACCTGAATTCAGCCTGGATCGTCGTACAGGCATGCTGACTGTAGTGAAGAACTA
GATAGAGAAAAAGAGGATAAATATTTATTCACAATTCGGCAAAAGATAATGGGGTACCACCTTAACCA
GCAATGTCACAGTCTTTGTAAGCATTATTGATCAGAATGACAATAGCCCAGTTTTCACTCACAATGAATA
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TATGGAGACAATTCTGCAGTTACGCTCTCCATTTAGATGAGAATGATGACTTCACCATTGATTCACAAA
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AAGAACCTGCTGCTTAATGTTGTCACTATTGAAGAACTAAGGCAGATGATGTTGACAGTGTGAAACA
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CAAATTCAGCCTGAACTCCCTGAATTTGAAGCACCACATCATCAAGAACTGCCTCTCGATAACACCT
TTGTGGCTGTGACTCTATCTCAATTGTTCTCAAGCAGTTCAGATCCCTACAGCGTTTCTGACTGTGG
CTATCCAGTGACAACCTTCGAGGTACCTGTGTCGTACACACCAGACCGACTGATTCCAGGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213171 representing NM_032972

Red=Cloning site Green=Tags(s)

MFRVGFLLIISSSSSLSPLLLVSIVRVNTTNCHKLLSGTYIFAVLLVCVVFHSGAQEKNYTIREEIPENV
LIGNLLKDLNLSLIPNKSLTTTQMFKLVYKTGDVPLIRIEEDTGEIFTTGARIDREKLCAIGPRDEHCFY
EVEVAILPDEIFRLVKIRFLIEDINDNAPLFPATVINISIPENSAINSKYTLPAAVDPDVINGVQNYEL
IKSQNIFGLDVIETPEGDKMPQLIVQKELDREKDTYVMKVVEDGGFPQRSSTAILQVSVTDNDNHPV
FKETEIEVSIPENAPVGTSVTQLHATDADIGENAKIHFSFNLVSNIRRLFHLNATTGLITIKEPLDRE
ETPNHKLVLASDGGLMPARAMVLNVTDVNDNVPSIDIRYIVNPVNDTVVLSENIPLNTKIALITVTDK
DADHNGRVTCFTDHEIPFRLRPVFSNQFLLENAAYLDYESTKEYAIKLLAADAGKPLNQSAMLFIKVKD
ENDNAPVFTQSFVTVSIPENNSPGIQLMKVSATDADSGPNAEINYLLGPDAPPEFSLDRRTGMLTVVKKL
DREKEDKYLFTILAKDNGVPPLTSNVTVFVSIIDQNDNSPVFTHNEYKFYVPENLPRHGTVGLITVTDPD
YGDNSAVTLSILDENDFTIDSQTGVIRPNISFDREKQESYTFYVKAEDGGRVSRSSSAKVITINVVDVND
NKPVFIVPPYNYSYELVLPSTNPGTVVFQVIAVDNDTGMNAEVRYIVGGNTRDLFAIDQETGNITLMEK
CDVTDGLHRLVKANDLGQPDLSFVSVIVNLFVNESVTNATLINELVRKSIEAPVTPNTEIADVSSPTS
DYVKILVAAGVAGTITVVVIFITAVVRCRQAPHLKAAQKNMQNSEWATPNPENRQMIMMKKKKKKKHSP
KNLLLNVVTIEETKADDVSDGNRVTLDPIDLEEQTMGKYNWVTTPTTFKPDSPDLARHYKSASPQPAF
QIQPETPLNLKHHIIQELPLDNTFVACDSISNCSSSSDPYSVSDCGYPVTTFEVPVSVHTRPTDSRT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_032972

ORF Size: 3144 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.

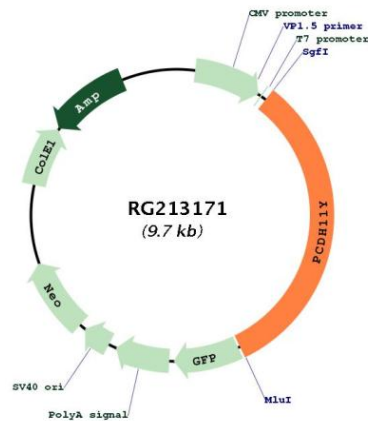
RefSeq: [NM_032972.2](#)

RefSeq Size: 4964 bp

RefSeq ORF: 3147 bp

Locus ID:	83259
UniProt ID:	Q9BZA8
Cytogenetics:	Yp11.2
Domains:	CA
Protein Families:	Transmembrane
Gene Summary:	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]

Product images:



Circular map for RG213171