

## Product datasheet for **RC210133**

### **C5orf20 (DCANP1) (NM\_130848) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C5orf20 (DCANP1) (NM_130848) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCANP1
Synonyms:	C5orf20; DCNP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC210133 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATTACGGAGCAGCAACCCACATACAGAAGCTCGAGAAGCCACGGCCTGGAGACTGTACCTGGACACC  
AAAGACTGGAGAGAGGAGCTGGTGGGAAACCCAGAGTCCCAGGGTGCCACTCCCAGCTCCACCAGA  
GAACCTTTGGGAATGAGCTGCTGCCCTGAGTGCCCTCTCCAGGGCCTCAGTGAGGGTCTCTACCCTCCA  
GGGAGGAACAAAACCTTGCCAGCTGGGGTCTGCGAGAGGGGGCAGTTCAATTCTCCACAGGGGACTCT  
GCAACTCCAATCTTTGAGTGAAGCATCTGCGAGGCCCTCAGGGACCCAGGATGAACTGCATAGCAGCAG  
AAGGAAGACAGGCCAGACCAGGCGGGAGGGAGCCCGAAACATCTGGTTTGTAGTTTCAGACTCTACCCG  
TTCACAGTTCACACAGTCTCACCGGAAACTCACACCTTGCCCTGTACCAAGTTTTTAAGGCAGTTAAGC  
TCTGCCATCCGAGACTTCATTTTTCTTGAGTAGAAAATCACTGAAATCATCAGATCCATGGCACCACC  
TCACTTTCTCCTAACAGCTGGAACCGTCAGGCTGGCTCAGGGCCTGGTCTTCGCACTTGATATCACTA  
TCCCTCACCTGCTCAGACAGCCAGAGCAGGCGGGTGAGTTCTCCCAACAACCTCCAATGATTCTCTCA  
GCTCCACCGCAGGGCAGCCACGTGCCTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC210133 protein sequence  
Red=Cloning site Green=Tags(s)

MHYGAATHIQNSRSHGLETPVGHQRLERAGGETPEFPGCHSPAPPENFGNELLPLSAPLQGLSEGLYPP  
 GRNKTLPAVLRGAVQFLHRGLCNSNL SSEASARPSGTQDELHSSRRKTGQTRREGARKHLVCSFRLYP  
 FTVHTVSPGNSHLALYQVFKAVKLCPSSETSFFLSRKSLKSSDPWHPPSLSPNSWNRQAGFRAWSSHLISL  
 SLTCSDSQSRRVSSSQPPLHLSSSHRAAHVPE

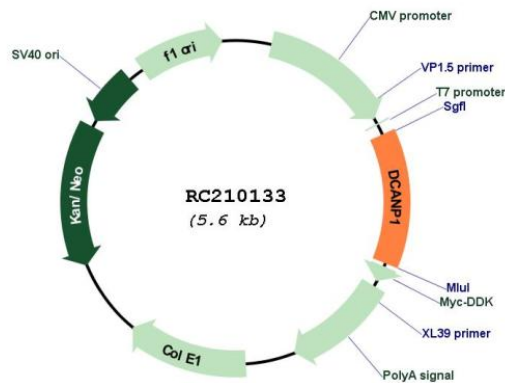
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_130848

**ORF Size:** 732 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_130848.3</a>
<b>RefSeq Size:</b>	3144 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	140947
<b>UniProt ID:</b>	<a href="#">Q8TF63</a>
<b>Cytogenetics:</b>	5q31.1
<b>MW:</b>	26.7 kDa
<b>Gene Summary:</b>	This intronless gene is specifically expressed in dendritic cells (DCs), which are potent antigen-presenting cells involved in activating naive T cells to initiate antigen-specific immune response. The encoded protein is localized mainly in the perinucleus. One of the alleles (A/T) of this gene, that causes premature translation termination at aa 117, has been associated with an increased prevalence of major depression in humans. [provided by RefSeq, Jul 2008]