

## Product datasheet for **RC230929**

### **DCTN5 (NM\_001199011) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DCTN5 (NM\_001199011) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DCTN5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC230929 representing NM\_001199011  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTTGGCGAGCTGCTCTACAACAAGTCTGAGTACATCGAGACGGCATCTGGGAACAAAGTCAGTC  
GCCAGTCAGTGTGTGTGGAAGCCAGAACATCGTTCTCAATGGCAAGAACTTTGTCATTTCTGTTTTCT  
GAGCCCATATATCAGATGTCACAGTGCCCTGCAGGGATAGAAAGAGATCAGATGAGTCAGTAAGACTGAGT  
GTGAACAATAGAGAGTGGTGGGGCCTGGTGAATTGGAGAATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC230929 representing NM\_001199011  
Red=Cloning site Green=Tags(s)  
MELGELLYNKSEYIETASGNKVSRSVLCGSQNIVLNGKNFVISVFLSPYIRCHSACRDRKRSDSVRLS  
VNNREWWGLVNWWRM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

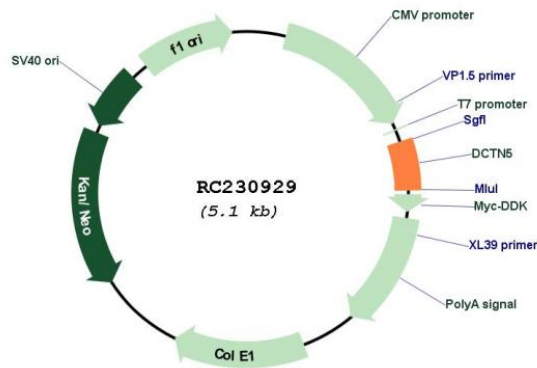


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001199011  
 ORF Size: 252 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_001199011.2</a>
<b>RefSeq ORF:</b>	255 bp
<b>Locus ID:</b>	84516
<b>UniProt ID:</b>	<a href="#">Q9BTE1</a>
<b>Cytogenetics:</b>	16p12.2
<b>MW:</b>	10.2 kDa
<b>Gene Summary:</b>	This gene encodes a subunit of dynactin, a component of the cytoplasmic dynein motor machinery involved in minus-end-directed transport. The encoded protein is a component of the pointed-end subcomplex and is thought to bind membranous cargo. A pseudogene of this gene is located on the long arm of chromosome 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]