

## Product datasheet for **RC233027**

### Contactin 1 (CNTN1) (NM\_001256064) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Contactin 1 (CNTN1) (NM_001256064) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNTN1
Synonyms:	F3; GP135; MYPCN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC233027 representing NM\_001256064  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAATGTGGTTGCTGGTCAGTCATCTTGTGATAATATCTATTACTACCTGTTTAGCAGAGTTTACAT  
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 TAGGAGGAAACCTTGTTATCAACAACCCTGACAAACAGAAAGTCTGGAATATACTACTGTTTAGCATC  
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 GAGGAACGTCCTGAGGTCAGAGTAAAAGAAGGGAAAGGAATGGTCTTCTGTGACCCCCATACCATT  
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 CCAATGCCAAGCACTGCTGAGATTAGCACCTCTGGGGCTGTTCTTAAGATCTTCAATATTCAGCTAGAAG  
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**Protein Sequence:**

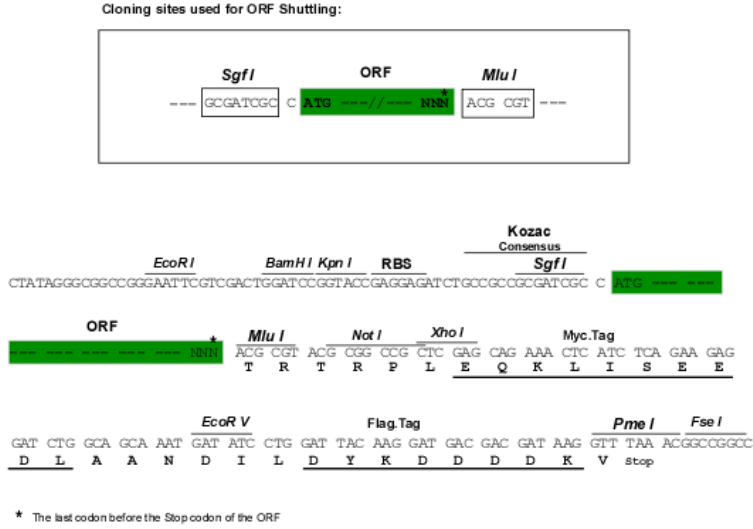
>RC233027 representing NM\_001256064  
 Red=Cloning site Green=Tags(s)

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 GKANSTGLVITDPTRILAPINADITVGENATMQCAASFDPALDLTFVVSFNGYVIDFNKENIHYQRNF  
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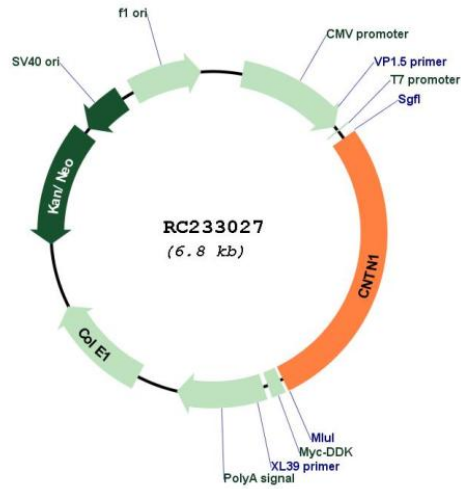
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001256064

ORF Size: 1881 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_001256064.1</a> , <a href="#">NP_001242993.1</a>
<b>RefSeq Size:</b>	3528 bp
<b>RefSeq ORF:</b>	1884 bp
<b>Locus ID:</b>	1272
<b>UniProt ID:</b>	<a href="#">Q12860</a>
<b>Cytogenetics:</b>	12q12
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)
<b>MW:</b>	71.1 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]