

## Product datasheet for **RC227877**

### **C16orf82 (NM\_001145545) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf82 (NM_001145545) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C16orf82
Synonyms:	TNT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227877 representing NM_001145545 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCACTGGTGCCAGGACAGCATTGTTCTCCCTCCACACCCGCCTTCACCTCACAAGCCCCATCACCA  
TGGGAAGTGGCCAGCCACTCAGAACACAGAGTTTTCAAAGGGCAGCCTTATATACGGAGTCACCTCTCC  
CCAGAGAGGTCACAGCCAACATTCAGAGGCCTCCAGGGCCCCCTCTCCCTGGATAAACCCTTCAGCTG  
CCCCCATTTTTCTCGAGGGAGAAAAAGGGGAATCCTCTGTCCAGAATGAGCAGGAAGGAGAGCCAAGCC  
TACAGTACCCAGCTTAGAGCTCAGTCCCTGCGTGGCCACGCCATGCAGGAGTGGCTCAGGAGCCCCT  
GAAAGTGTCCAGCAGCTACCTCAGTGACACCCAGAGCAGCGAGAGTCATGTTCCAGCGTGCAGCACCCG  
AGGCCAGAGGAGGGCAGCCATGCCAGCCTGAGCAGCGGGTACGCAGGGGACAAGGAGGGCAGCGACATCA  
GCTTGGTGGGCAGCCACCGGAGAGTGCGGCTGAACAGAAGGCTCAACACCCAGGGCGCCAGTAACCAAAC  
CAGCCAGCTGGGCTCCATAGACCCTCCAGCTCTCTAAAGAGCCGGCTGACTGGCCCCGCCACAGCACC  
AAGCAGACTGGAGGAAAGAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC227877 representing NM\_001145545  
Red=Cloning site Green=Tags(s)

MSLVPGQHHCSPSHTRLHLTSPITMGTEPATQNTSEFSKGS LIYGVTS PQRGHSQHSEASQGPLSLDKPLQL  
 PPIFLEGEKGESSVQNEQEGEPLSQSPSLELQSPA WPRHAGVAQEPLKVSSSYLSDTQSSESHVSSVQHP  
 RPEEGSHASLSSGYAGDKEGSDISLVGSHRRVRLNRRLNTQAASNQTSQLGSDIDPPSSLKSR LTGPAHST  
 KQTGGKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1458\\_e09.zip](https://cdn.origene.com/chromatograms/ja1458_e09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001145545

**ORF Size:** 651 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 ORF:** 465 bp

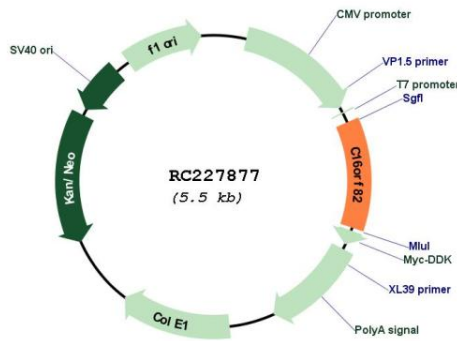
**Locus ID:** 162083

**UniProt ID:** [Q7Z2V1](#)

**Cytogenetics:** 16p12.1

**MW:** 23.11 kDa

**Product images:**



Circular map for RC227877