

## Product datasheet for **RC224726**

### **ZNF878 (NM\_001080404) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZNF878 (NM_001080404) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF878
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC224726 representing NM\_001080404  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGCTCGGGGTTCTGTCCTATCTGGGTTGTACCTTTCAGAGGATGAAGGGCAGGGACGGCCACG  
 GAGTGAGGAAGACAACAGTGTCCCTTAGCAGTTCGGAGCAAGTTTGGCCGAAGGCAAATATTCGAAGT  
 AAAGGATTCGGTGGCCTTTGAGGATGTGGCTGTGAACTTACCCAGGAGGAGTGGCTTTGCTGGATCCT  
 TCCCAGAAAAATCTCTACAGGGAAGTGTGCAGGAAACCTTGGGAACTGACCTCCATAGGAAAAAAT  
 GGAACAACCACTACATTGAAGATGAGCACCAAAAATCCTAGGAGAAACCTAAGAAGACTTATAGGGGAGAG  
 ACTCTCTGAAAGTAAAGAAAGTCATCAGCATGGAGAAGTTTTGACACAGGTTCCAGATGACACACTGAAG  
 AAGAAAACCTCTGGAGTACAATCATATGAAAGCAGTGTGTGGAGAAAATCGGCATAGGTCTTTCATCCC  
 TTAATAGGCACCTCAGAGCCTTTAGTTATTCCAGTAGCCTTGCAATACATGGAAGAACTCACACTGGGA  
 AAAGCCTTATGAATGTAAGGAATGTGGAAAGCATTTCAGGTTTCCAGTCTGTTCGTAGACATGAAAGA  
 ATCCACTCTGCAAAAAACCTATGAATGTAAGCAGTGTGGGAAAGCATTTCAGTTTTCCAGTCTGTTC  
 GTAGACATGAAAGAATCCACTCTGCAAAAAACCTATGAATGTAAGCAGTGTGGGAAAGCATTATCTTA  
 TCTTGTAAAGCTTTCAGACACACATGAGAATGCACACTGGAGAGAGACCTCATAAATGTAACATATGTGG  
 AAAGCCTTTTTTCTCCAGTTCGTTAAAAAGACAGGAAAAAGTACACTGGAGAGAAACGCTATAAAT  
 GCAAGCAATGTGATAAAGCCTTCAATTGTCCCAGTTCCTTTCAATATCATGAAAGGACTCACAGTGGAGA  
 GAAACCCTATGAGTGTACACAAATGAGGAAAGCCTTCAGATCTGTCAAGTACCTGCGAGTACATGAAAGA  
 AAACACACTGGAGAGAAACCTATGAGTGAAGCTATGTGGTAAGGATTTATTTCTCCACTTCCCTTT  
 GCTATCATGAAAAGACTCACACTGGAGAGAAACCTTATGAATGTAAAAAATGTGTGAAAGCCTTCAGTTT  
 TGTCGAAGGATCTTCGAATACATGAAAGGACACACTGGAGAGAAACCTTTGAATGTAACAATGTGGG  
 AAAACCTTCACTTCTTCAATTCCTTTCACTATCATGAAAGGACTCACACTGGAGAGAAACCTATGAGT  
 GTAAGCAATGTGGGAAAGCCTTCAGATCTGCCTCAGTCTTCAAAGCACATACGAACTCACACAGGAGA  
 GAAACCCTATGGATGTAAGCAATGTGGTAAAGTCTTTAGAGTTGCCTCACAACCTAAAAATGCATGAAAG  
 ACTCACACAGGAGAGAAACCTATGAGTGAAGCAATGTGGAAAAGCCTTCATTTCTTCTAATTCTATTC  
 GCTATCATAAAAGGACTCACACTGGAGAGAAACCTATAAATGTAACAGTGTGGGAAAGCCTTCATTTCT  
 TTCCAACCTTTTTCTCTACCATGAAAGGATTCATACTGGAGAGAAACCTATGAGTGAAGCAATGTGGT  
 AAAGCCTTAGATCTGCCTCAATCCTTCAAAGCATGTAAGGACTCAGCTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC224726 representing NM\_001080404  
 Red=Cloning site Green=Tags(s)

MRSQVLSYLGLYLSEDEGAGTAHGVRKTTVSLAVRSKFGRRQIFEVKDSVAFEDVAVNFTQEEWALLDP  
 SQKNLYREVMQETLRNLTSGKKWNNQYIEDEHQNPRRNLRLIGERLSESKESHQHEVLTQVPDPTLK  
 KKTPGVQSYESSVCGEIGIGLSSLNRHLRAFSSSLAIHGRTHHTGKPYECKEKGAFRFPSSVRRHER  
 IHSAKKPYECKQCGKAFSFPSSVRRHERIHSAKKPYECKQCGKALSYSFQTHMRMHTGERPHKCNICG  
 KAFFSPSSLKRHEKSHTEKRYKCKQCDKAFNCPSSFQYHERTHSGEKPYECTQCRKAFRSVKYLVRVHER  
 KHTGKPYECKLCKGKGFISSTSFYHEKTHTEKPYECKKCVKAFSFKDLRIHERHTGKPFECKQCG  
 KFTTSSNSFHYHERHTGKPYECKQCGKAFRSASVLQKHIRTHTGKPYGCKQCGKVFVRSQKMHHER  
 THTGKPYECKQCGKAFISSNSIRYHKRTHTEKPYKCKQCGKAFISSNSFLYHERIHTGKPYECKQCG  
 KAFRSASILQKHVRTHAG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8045\\_c07.zip](https://cdn.origene.com/chromatograms/mk8045_c07.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001080404

**ORF Size:** 1734 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\\_001080404.1](#), [NP\\_001073873.1](#)

**RefSeq Size:** 1762 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 729747

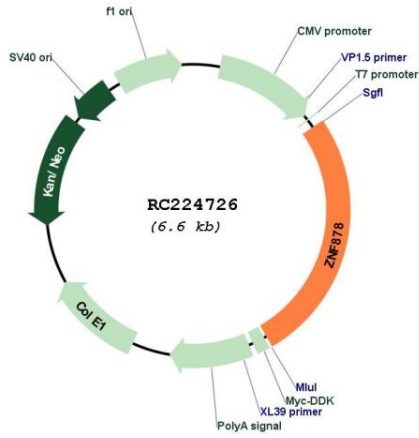
**UniProt ID:** [C9JN71](#)

**Cytogenetics:** 19p13.2

MW: 66.7 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC224726