

## Product datasheet for **RC234622**

### ZNF790 (NM\_001242801) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF790 (NM_001242801) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF790
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234622 representing NM\_001242801  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCATTTGATGATGTTTCAGGGATGTGGCTGTAGATTTCTCTCAGGAGGAGTGGGAGTGCCTGGACC  
 TGGAACAGAGGGATTTATATAGAGATGTGATGTTGGAGAACTACAGCAACATGGTCTCACTGGGTTTTTG  
 CATTATCAGCCAGAAGCGTTCTCTTTATTGGAGAAAAGGAAAAGAGCCCTGGAAGATTTTGGGGATGAG  
 ACAAGAGGACCTTGCCAGACATGCAGTCGAGGTGTAGACCAAGAAGTTATTACCAAAAAATGGCATT  
 TTGAGAGAGAAAATAGCCCAATTGGAAAATATGAGAATTTGTA AAAACACAGCCTTGACTGTTTATGTTT  
 TAGAGGTGACTGGGAAGGCAACTCAGTTTCAAACACTTCAAGATAATCAAGAGGAATGCTTCAAGCAG  
 GTGATACGCACCTGTGAAAAAGGCCACTTTTAAACCAGCATACAGTGTTAATCTACACCAGAGACTTA  
 ATACAGGAGACAACTGAATGAATTTAAGAAGTGGGAAAAGCCTTTATTTCTGGTTCAGATCATACTCA  
 ACATCAGTTAATTCACACAAGTGAGAAAATCTGTGGAGATAAAGAATGTGGGAATACCTTTCTTCTGAT  
 TCAGAAGTTATCAATATCAGACAGTTCACACTGTTAAGAAAACATATGAATGTAAGAATGTGGGAAGT  
 CTTTTAGTTTACGTTTCGAGTCTTACTGGTCATAAGAGAATTCATACCGGTGAGAAAACCTTTAAATGTAA  
 GGATTGTGGGAAAGCCTTTAGATTTTCAATCACAACTTAGTGTCCATAAGCGAATTCATACTGGTGAGAAA  
 TCTTATGAATGTAAGGAATGTGGGAAGGCCCTTTAGTTGTGGCTCAGATCTTACTCGACATCAGAGAATTC  
 ATACTGGTGAAAAACCTATGAATGTAATGAATGTAGAAAAGGCCCTTTAGTCAGCGATCACATCTTATTA  
 ACATCAGAGAATTCACACTGGTGAAAAACCTTATGAATGTAAGGAGTGTGGGAAAGCTTTTACTCGTGGA  
 TCACACCTAACTCAGCATCAGAGAATTCATACTGGTGAGAAAATCTCATGAGTGAAGGAATGTGGAAAAG  
 CCTTTATTCGTGGTTCAAATCTTGCTCAACATCAGAATGTTTATGTTGGTAGAAAACCTTATAAATGTGA  
 GAAATGTGGGAAAGCCTATATTTGGAGCTCACACCTTGCTCGACATCAGCGAATTCATACTGGCAGGAAA  
 CCTTATGAATGTAAGCAATGCGGGAAGACTTTTACTTGGGCTTCGTATCTTGCTCAACATGAGAAAATTC  
 ACAATGAGAGGAAATCCTATGAATGTAAGGAATGTGAAAAGACCTTTCTCATGGCTCAGAGTTTAAATCG  
 ACATCAGAAAATTCATACTGGTGAGAGAACTATGAATGTAAGGAATGTGGAAAGACCTTTTTCTGTTG  
 TCAGAATTAATCGACACCAGAAAATTCATACTGGAAAGAGGCCATATGAATGTGAAGAATGTGGAAAAG  
 CCTTTCTCTGGGTTTCAAACTTACTCGACATCAGAGAATGCATACTGGTGAGGAACCTTACGTATGTAA  
 AGAATGTGGGAAATCTTTTATCTGGGGTTCACAGCTTACACGACATAAGAAAATTCATACTGATGCAGAA  
 CCTTATGGATGCAAGAAAAGTAGCCACATCTTTAGTCACCATTATTTTACTGAACAAAAATTCATA  
 ATAGTGCAAACTCTGTGAATGGACAGACTATGGGAACACCTTTAGTCATGAGTCAAACCTTTGCTCAACA  
 CCAGAATATTTCACTTTTGAGAAAATCCTATGAATTTAAAGATTTTGAGAAAGCATTCTTCAAGCTCT  
 CACTTCATTTCACTCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234622 representing NM\_001242801  
Red=Cloning site Green=Tags(s)

MAHLMFRDVAVDFSQEEWECLDLEQRDLRYDVMLENYSNMVSLGFCIYQPEAFSLLEKKGKEPWKILRDE  
 TRGPCPDMQSRCQTKLLPKNGIFEREIAQLEIMRICKNHSLDCLCFRGDWEQNTQFQTLQDNQEECFKQ  
 VIRTCEKRPTFNQHTVFNLHQRLNTGDKLNEFKELGKAFISGSDHTQHQLIHTSEKFCGDKECGNTFLPD  
 SEVIQYQTVHTVKKTYECKEKGKSFSLRSSLTGHKRIHTGKPFKCKDCGKAFRFHSQLSVHKRIHTGK  
 SYECKEKGKAFSCGSDLTRHQRIHTGKPYECNECRKAFSQRSHLIKHQRIHTGKPYECKEKGKAFTRG  
 SHLTQHQRHTGKESHECKEKGKAFIRGSNLAQHQNVAHVGRKPYKCEKCGKAYIWSSHLARHQRIHTGRK  
 PYECKQCGKFTFTWASYLAQHEKIHNERKSYECKEKGKFTLHGSEFNHRQKIHGERNYECKEKGKFTFRG  
 SELNRHQKIHGKRPYECCEGKAFWGSQ LTRHQRMHTGEEPYVCKEKGKSF IWGSQ LTRHKKIHTDAE  
 PYGCKSSHIFSHHSYFTEQKIHNANLCEWTDYGNFTSHESNFAQHQNIYTFEKS YEFKDFEKAFSSSS  
 HFISLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001242801

**ORF Size:** 1908 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\\_001242801.1](#), [NP\\_001229730.1](#)

**RefSeq Size:** 2361 bp

**RefSeq ORF:** 1911 bp

**Locus ID:** 388536

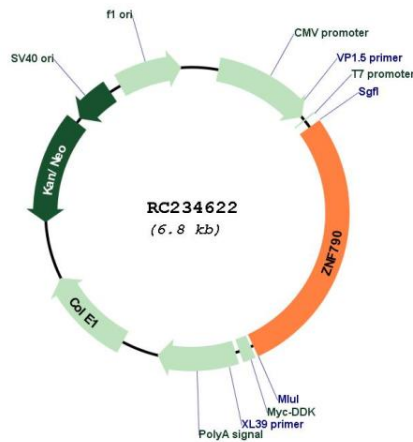
**UniProt ID:** [Q6PG37](#)

**Cytogenetics:** 19q13.12

**MW:** 75 kDa

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

**Product images:**



Circular map for RC234622