

Product datasheet for **RC237606**

ZNF2 (NM_001291604) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF2 (NM_001291604) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF2
Synonyms: A1-5; Zfp661; ZNF661
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237606 representing NM_001291604
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGGAGAACTATAACAGCATTGTGTCATTGGACTGGGAACTAAGCCTGAGATTCACGATGCTTCAG
ACAAAAATCAGAAGGATCATTGAGGGAATGCCTTGAAGGCAAAGTCCCTGTGTCTAAATTTGAAGT
TCATACACCCAATGGCAGGATGGGAACAGAAAAGCAAAGCCCTCAGGGGAGACTCGTAAGAAATCCCTC
TCCCGGGACAAAGGCTTGCAGGACGGTCAGCCCTGTCCAGGAAATTCTCACTAAAGAGAGACACCAGG
AATGCAGTGACTGTGGGAAGACCTTTTTGACCACTCATCCCTCACCCGCCATCAGAGGACTCACACTGG
GGAGAAGCCCTACGACTGCCGCGAGTGTGGGAAAGCCTTCAGCCACAGGAGCAGCCTCAGCAGACATCTG
ATGTCACACACTGGGGAGAGCCCTACGAGTGCAGTGTGTCTCAAAAGCCTTTTGGACCGTTCGTCCC
TAACTGTCCATCAGCGAATTCACACTGGAGAGAAACCCCTTCAGTGCAACGAGTGTGGAAAAGCCTTTT
TGACCGTTCATCCCTTACTCGACACCAGAGAATTCACACTGGAGAAAAGTCCTTATGAATGTCATCAGTGT
GGGAAAAGCCTTTAGCCAGAAAAGTATTCTTACTCGCCATCAGCTAATCCACACTGGCAGGAAGCCTTATG
AGTGTAACGAGTGCAGGAAAGCTTCTATGGTGTCTCTGCTCTGAATAGACATCAGAAAAGCTCATGCTGG
GGACCCCTCGCTATCAGTGTAAACGAGTGTGGCAAAGCTTTCTTTGACCGCTCATCCCTTACACAGCATCAG
AAGATCCACACTGGAGACAAGCCATATGAATGCAGCGAATGCGGGAAAAGCCTTTAGCCAGCGGTGCCGGC
TCACGCGGCATCAGCGTGTCCACACGGGAGAGAAGCCCTTTGAATGCACTGTGTGTGGGAAAAGTTTTTCAG
TTCAAAATCTTCTGTTATTCAACATCAACGGCGTTACGCCAAACAGGGAATAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237606 representing NM_001291604
 Red=Cloning site Green=Tags(s)

MLENYNSIVSLDWETKPEIHDASDKKSEGLRECLGRQSPLCPKFEVHTPNGRMGTEKQSPSGETRKKSL
 SRDKGLRRRSALSREILTKERHQECSDCGKTFDFHSSLTRHQRTHTEKPYDCRECGKAFSHRSSLSRHL
 MSHTGESPYECSVCSKAFFDRSSLTVHQRITHTGEKPFQCNECGKAFFDRSSLTRHQRITHTGESPYECHQC
 GKAFSQKSILTRHQLIHTGRKPYECNECGKAFYGVSSSLNRHQKAHAGDPRYQCNECGKAFFDRSSLTQHQ
 KIHTGDKPYECSECGKAFSQRCLTRHQRVHTGEKPFECTVCGKVFSSKSSVIQHQRRYAKQGID

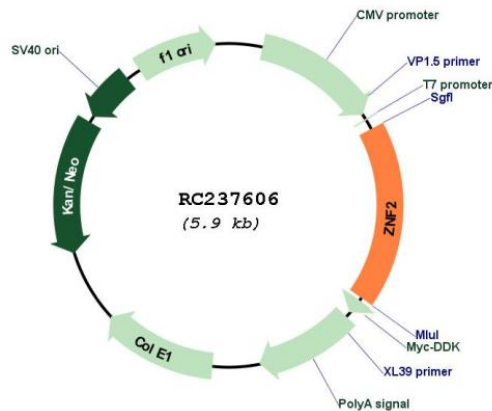
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291604

ORF Size: 1035 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:	<ol style="list-style-type: none">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_001291604.2
RefSeq Size:	3794 bp
RefSeq ORF:	1038 bp
Locus ID:	7549
Cytogenetics:	2q11.1
Protein Families:	Transcription Factors
MW:	40 kDa
Gene Summary:	The protein encoded by this gene belongs to the C2H2-type zinc-finger protein family. The exact function of this gene is not known, however, zinc-finger proteins are known to interact with DNA and function as transcription regulators. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]