

Product datasheet for RC217244

ZNF2 (NM_001017396) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF2 (NM_001017396) 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: >RC217244 representing NM_001017396
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGAGAACTATAACAGCATTGTGTCATTGGGCCTCCAGTTCCTCAACCTGATGTGATTTTCCAAT
TGAAGAGAGGGGACAAGCCGTGGATGGTAGATCTTCATGGGTCTGAGGAGAGAGAATGGCCAGAGAGTGT
CTCTCTAGACTGGGAACTAAGCCTGAGATTCACGATGCTTCAGACAAAAATCAGAAGGATCATTGAGG
GAATGCCTTGGAAGGCAAAGTCCTCTGTGTCTAAATTTGAAGTTCATACCCCAATGGCAGGATGGGAA
CAGAAAAGCAAAGCCCTTCAGGGGAGACTCGTAAGAAATCCCTCTCCCGGACAAAGGCTTGCGGCGACG
GTCAGCCCTGTCCAGGAAATCTCACTAAAGAGAGACACCAGGAATGCAGTGACTGTGGGAAGACCTTT
TTTGACCACTCATCCCTCACCCGCCATCAGAGGACTCACACTGGGGAGAAGCCCTACGACTGCCGCGAGT
GTGGGAAAGCCTTCAGCCACAGGAGCAGCCTCAGCAGACATCTGATGTCACACACTGGGGAGAGCCCTA
CGAGTGCAGTGTGTGCTCAAAGCCTTCTTTGACCGTTCGTCCCTAACTGTCCATCAGCGAATTCACACT
GGAGAGAAACCTTTTCAGTGAACGAGTGTGGAAAAGCCTTTTTGACCGTTCATCCCTTACTCGACACC
AGAGAATTCACACTGGAGAAAGTCCTTATGAATGTCATCAGTGTGGGAAAGCCTTTAGCCAGAAAAGTAT
TCTTACTCGCCATCAGCTAATCCACACTGGCAGGAAGCCTTATGAGTGTAAACGAGTGCGGGAAAGCTTTC
TATGGTGTCTCGTCTCTGAATAGACATCAGAAAGCTCATGCTGGGACCCCTCGCTATCAGTGTAAACGAGT
GTGGCAAAGCTTTCTTTGACCGCTCATCCCTTACACAGCATCAGAAGATCCACACTGGAGACAAGCCATA
TGAATGCAGCGAATGCGGGAAAGCCTTTAGCCAGCGGTGCCGGCTCACGCGGCATCAGCGTGTCCACAGC
GGAGAGAAAGCCCTTTGAATGCACTGTGTGTGGGAAAGTTTTTCAGTTCAAAATCTTCTGTTATTCAACATC
AACGGCGTTACGCCAAACAGGGAATAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217244 representing NM_001017396
Red=Cloning site Green=Tags(s)

MLENYNSIVSLGLPVPQPDVIFQLKRGDKPMMVDLHGSEERWPEVSVDWETKPEIHDA SDKKSEGLR
 ECLGRQSPLCPKFEVHTPNGRMGTEKQSPSGETRKKSLSRDKLRRRSALSREILTKERHQECSDCGKTF
 FDHSSLTRHQRTHTEKPYDCRECGKAFSHRSSLSRHLSHTGESPYECSVCSKAFFDRSSLTVHQRHT
 GEKPFQNECGKAFFDRSSLTRHQRHTGESPYECHQCGKAFSQKSILTRHQLIHTGRKPYECNECGKAF
 YGVSSLNRHQKAHAGDPYQNECGKAFFDRSSLTQHQLIHTGDKPYECSECGKAFSQRCLTRHQRVHT
 GEKPFECTVCGKVFSSKSSVIQHQRYYAKQGID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

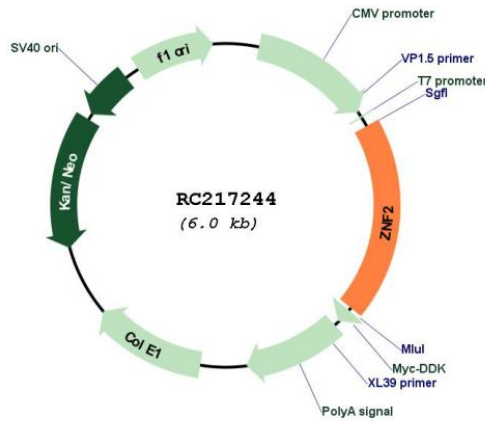
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001017396

ORF Size:	1149 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_001017396.3
RefSeq Size:	3908 bp
RefSeq ORF:	1152 bp
Locus ID:	7549
UniProt ID:	Q9BSG1
Cytogenetics:	2q11.1
Protein Families:	Transcription Factors
MW:	43.9 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]