

Product datasheet for **RC239705**

ZNF717 (NM_001290209) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF717 (NM_001290209) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF717
Synonyms:	OB1; X17; ZNF838
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239705 representing NM_001290209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGAGACCTACAGCAGCCTGGTATCATTGGGGCATTACATTACCAAACCTGAGATGATCTTCAAGC
 TAGAGCAAGGAGCAGAGCCATGGATAGTAGAAGAAACCCCAAACCTGAGACTTTAGCTGTCCAGATCAT
 TGATGACCTTATTGAAAGGAGCCATGAAAGTCATGATAGATTTTCTGGCAAATTGTAATCACCAACAGC
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 AGACATCATGAACATCTTACTCAGCATCACAAGATTCAAACCTGCTGCAGACTTTTCAATGTAATGAAC
 AAGGGAAAACCTTCAACACGGAGGCAATGTTCTTTATACATAAGAGGGTTCATATAGTACAGACCTTTGG
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 CT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239705 representing NM_001290209

Red=Cloning site Green=Tags(s)

MLETYSSLVSLGHYITKPEMIFKLEQGAEPWIVEETPNLRLSAVQIIDDLIERSHESHDRFFWQIVITNS
NTSTQERVELGKTFNLNSNHVNLNIINNGNSSGMPKGQFNDQCQNLFPKIPGETQSGEKPHVCDITRRSH
RHHEHLTQHHKIQTLLQTFQCNEQGKTFNTEAMFFIHKRVHIVQTFGKYNEYEKACNNSAVIVQVITQVG
QPTCCRKSDFTKHQHTGKPYECVECEKPSISKSDLMLQCKMPTTEKPYACNWCEKLSYKSSLIHQ
RIHTGKPYGCNECGKTFRRKSFLTHERHTGDKPYKCIECGKTFHCKSLLTLHHRTHSGEKPYQSEC
GKTFSQKSYLTIHHRHTGKPYACDHCEEAFSHKSRLTVHQRHTGKPYECNECGKPFINKSNLRLHQ
RHTGKPYECNECGKTFHRKSFLTIIHQWHTGKPYECNECGKTFRCKSFLTIVHQRTHAGEKPYACNEC
GKTYSHKSYLTVHHRHTGKPYECNECGKSFHCKSFLTIIHQRTHAGKPYECNECEKTFINKNLGIHK
RHTGERPYECNECGKTFRQKSNLSTHQHTGKPYVCNECGKTFHRKSFLTIIHQRTHTGKNRMDVMNV
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THTEGKPYECNECGKTFCHKSNLSTHQHTSGEKPYECDECRKTFYDKTLVTIIHQRTHTGKPFECKECR
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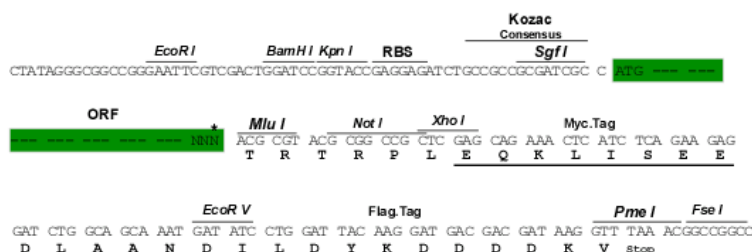
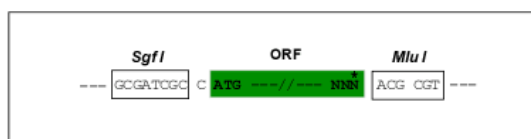
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

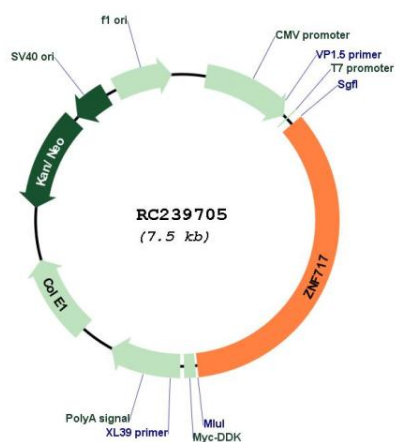
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001290209
ORF Size:	2592 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001290209.3
RefSeq Size:	2976 bp
RefSeq ORF:	2595 bp
Locus ID:	100131827
Cytogenetics:	3p12.3
MW:	101 kDa
Gene Summary:	This gene encodes a Kruppel-associated box (KRAB) zinc-finger protein, which belongs to a large group of transcriptional regulators in mammals. These proteins bind nucleic acids and play important roles in various cellular functions, including cell proliferation, differentiation and apoptosis, and in regulating viral replication and transcription. A pseudogene of this gene was identified on chromosome 1. [provided by RefSeq, May 2016]

Product images:



Circular map for RC239705