

Product datasheet for **RC226258**

ZNF717 (NM_001128223) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF717 (NM_001128223) 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)
ORF Nucleotide Sequence:	>RC226258 ORF sequence, codon optimized . Due to the complexity of NM_001128223, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCCGTCTTCTCCGGATGCTTCCAGGAGCTGCAGGAGAAGAACAAGCCTGGAACCTCGTGAGTT
TCGAGGAGGTGGCCGTACACTTCACTTGGGAAGAGTGGCAGGACCTCGACGATGCTCAACGCACGCTCTA
CCGCGATGTGATGCTGAAAACCTACAGTAGTCTCGTTTCCCTTGGACATTACATTACAAAACCGGAAATG
ATTTTCAAACCTCGAGCAAGGCGCGGAGCCGTGGATCGTGGAGGAAACACCGAACCTGCGATTGTCCGCCG
TCCAGATAATTGACGATCTCATCGAGAGATCCCATGAAAGTCACGATCGTTCTTCTGGCAGATCGTGAT
TACGAATCCAACACCTCAACACAAGAGCGCTGAACTGGGGAAGACCTTCAACCTGAACAGCAACCAC
GTCCTTAATCTGATTATCAACAACGTAATTCTTCTGGGATGAAACCCGGCCAGTTAATGATTGTCAA
ATATGCTGTTTCCAATCAAACCCGGCGAAACCCAGTCTGGAGAGAAGCCGATGTGTGCGACATCACAG
GAGGTCACACAGACATCAGGACACTTGACCCAGCATATAAGATCCAGACTCTCCTGCAGACATCCAG
TGTAATGAACAGGGCAAAACCTTAACTGAAGCCATGTTTTTCATTCAAAAACGGGTGCATATCGTTC
AGACCTTTGGCAAATATAACGAGTACGAAAAGCGTGCAACAATAGTGAGTCAATGTCCAGGTTATCAC
TCAGGTCCGCCAGCCAACCTGCTGCCGCAAGAGCGATTTCAAAAACACCGAGACACATACCGCGAA
AAACCTTATGAATGCGTGAATGTGAGAAGCCATCTATCAGTAAATCCGATCTGATGCTCCAGTGAAGA
TGCCACAGAAGAAAAGCCATACGCTTGAACCTGGTGCAGAAAACCTGTTAGCTATAAGTCAAGCCTCAT
CATTACCAGCGGATCCACACCGGAGAAAAGCCATGATGCAATGAGTGGGAAAAAATTTTCAGGCGG
AAATCATTCTGACCCTCATGAGCGAACTCACACTGGCGATAAGCCGTACAAGTGCATCGAGTGTGGGA



AAACCTTCCACTGCAAGAGCCTGCTCACTTTGCATCATAGGACTCATAGCGGCGAGAAACCTATCAATG
 CAGCGAATGCGGTAAAACATTAGTCAGAAAAGTTACCTCACTATCCACCACCGGACCCATACGGGAGAG
 AAGCCCTACGCCTGCGACCATTGCGAAGAGGCTTTCAGCCACAAATCCAGACTGACAGTGCACCAGAGAA
 CTCACACGGGTGAGAAACCTACGAATGCAACGAATGCGGAAAGCCATTTATCAATAAAAGTAACCTGAG
 GCTGCATCAAAGGACCCATACAGGTGAGAAACCATACGAGTGTACGAATGCGGAAAGACTTTCCACAGG
 AAAAGCTTCTGACAATCCACCAGTGGACTCATACTGGTGAGAAACCTTACGAATGCAACGAGTGTGGAA
 AGACTTTTAGATGCAAGTCTTTCCTGACCGTTACCAGAGAACCATGCCGGAGAGAAGCCCTACGCTTG
 TAACGAGTGTGGCAAGACCTACTCTCATAAAGAGCTATCTGACCGTTCACCACAGAACCACACAGGAGAA
 AAACCCTATGAATGTAATGAATGTGAAAGAGCTTTCATTGTAATAAGCTTCTGACGATCCACCAGCGGA
 CACACGCTGGAAGAAAGCCATACGAGTGAACGAATGCGAGAAGACATTCATAAAACAGCTTAATCTCGG
 CATTACAAGCGCACGCATACTGGCGAAAGACCTATGAATGCAACGAATGCGGAAAGACATTCGACAG
 AAGAGTAATCTGTCTACGCATCAGGATACCACACCGGCGAAAAACCTACGTCTGTAATGAGTGCAGTA
 AGACTTTCCACCGAAAAAGTTTCTCACAATTCACCAGAGAACGCACACCGGAAAGAACAGGATGGACGT
 GATGAACGTTGAGAAGCTGTTTGTGAGGAACCATACACTGTTGTACATTCGAGAGCTGACCCCGGAAAG
 AGCCCCATGAACGTGATGAATGTGAGAAATCCATTTCATTGAGAGACAGATCTTCCGCTCAATCAAGT
 TTACTAGGGGACGGAACCAATGAACGTGCTAACGTGGAAGAAACCATGTCAAAAAAGTGTGCTGACCGT
 ACACCACCGCACCCACACCGGAGAGAAACCTTACGAGTGAATGAATGCGGTAATAACTTTTTGTCATAAA
 AGTAACCTTAGCACGCATCAGGGAACCCATAGCGGCGAAAAGCCATACGAGTGTGATGAATGCCGAAAA
 CGTTCTACGACAAGACTGTTCTCACCATTATCAGAGGACTCACACTGGTGAGAAACCTTTGAGTGCAA
 GGAGTGCAGGAAAAATCTCTCAAAAAAGCAAATGTTCTGTCATCACAGAACTCATACAGGCGAAAAAG
 CCTTTTCGCTGCAATGAGTGCAGAAAAACCTCTCTCAGAAATCCGGTCTTTCTATTACCAACGCCTC
 ACACCGGGGAGAAACCTATGAGTGAAGGAGTGCAGAAAAACTTTTTGTGAGAAGGCCACCTCAGTAG
 ACACCAGCAGACTCATATTGGGAGAAAGTCCGATGTCGCTGAGGCAGGCTATGTCTTTCCCAGAACCAT
 AGCTTCTTTCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226258 representing NM_001128223

Red=Cloning site Green=Tags(s)

MFPVFSGCFQELQEKNKSLLELVSFEEVAVHFTWEEWQDLDDAQRITLYRDVMLETYSLSVSLGHYITKPEM
 IFKLEQGAEPWIVEETPNLRLSAVQIIDDLIERSHESHDRFFWQIVITNSNTSTQERVELGKTFNLNSNH
 VLNLIINNGNSSGMKPGQFNDCQNLFPKPGETQSSEKPHVCDITRRSHRHEHLTQHHKIQTLLQTFQ
 CNEQKTFNTEAMFFIHKRVHIVQTFGKYNEYEKACNNSAVIVQVITQVGGPTCCRKSDFTKHQQHTTGE
 KPYECVECEKPSISKSDLMLQCKMPTEEKPYACNWCEKLFYKSSLIHQRIHTGEKPYGCNECGKTFRR
 KSFLTHERHTGDKPKYKIECGKTFHCKSLLTLHHRTHSSEKPYQCSECGKTFSSQKSYLTIHHRHTTGE
 KPYACDHCEAFSHKRLTVHQRTHTGEKPYECNECGKPFINKSNLRLHQRTHTGEKPYECNECGKTFHR
 KSFLTIIHQWHTHTGEKPYECNECGKTFRCKSFLTIVHQRTHTAGEKPYACNECGKTYSHKSYLTVHHRHTTGE
 KPYECNECGKSFHCKSFLTIIHQRTHTAGKPYECNECEKTFINKLNLGIHKRTHTGERPYECNECGKTFRQ
 KSNLSTHQGHTHTGEKPYECNECGKTFHRKSFLTIIHQRTHTGKNRMDVMNVEKLFVRNHTLLYIRELTPGK
 SPMNVMNVENPFIRRQIFRSIKVFTRGRNPMNVANVEKPCQKSVLTVHHRHTHTGEKPYECNECGKTFCHK
 SNLSTHQGTHSSEKPYECDECRKTFYDKTVLTIHQRTHTHTGEKPFECCKEKRKTFSSQKSLFVHHRHTHTGEK
 PFRNECRKTFSSQKSLSIHQRTHTHTGEKPYECKEKGKTFQKSHLSRHQQTHIAGEKSDVAEAGYVFPQNH
 SFFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001128223

ORF Size: 2742 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_001128223.1](#), [NM_001128223.2](#), [NP_001121695.1](#)

RefSeq Size: 3974 bp

RefSeq ORF: 2745 bp

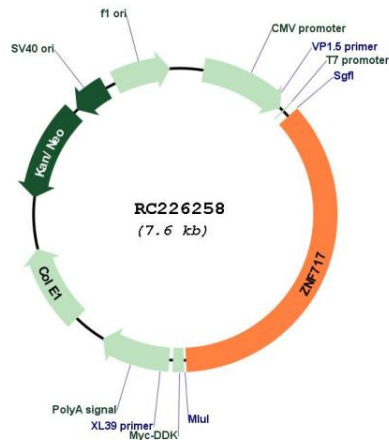
Locus ID: 100131827

Cytogenetics: 3p12.3

MW: 106.5 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 RC226258