

## Product datasheet for **RC222964**

### ZNF25 (NM\_145011) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF25 (NM_145011) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF25
Synonyms:	KOX19; Zfp9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC222964 ORF sequence, **codon optimized**.  
**Due to the complexity of NM\_145011, 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**

ATGAACAAGTTCCAGGGGCTGTGACCCTGAAGGACGTCATCGTGGAGTTTACCAAAGAAGATGGAAGC  
 TGCTGACCCCGCACAGAGAACCTTGACAAGGATGTGATGCTGGAGAATTATTCTCACCTCGTGTCTGT  
 CGGCTACCACGTGAATAAGCCAAATGCGGTGTTTAAACTCAAACAAGGTAAGGAGCCTTGGATTCTGGAG  
 GTGGAGTTTCCCATAGGGGATTCCAGAAGACTTGTGGAGCATACACGATCTCGAAGCCCGGTACCAGG  
 AGTCACAGGCAGCAACTCTCGGAACGGGGAGCTGACCAAGCACCAAAAGACACATACGACTGAAAAAGC  
 TTGCGAGTGCAAGGAGTGCGGCAAGTTCTTTTCCAGAAATCTGCCCTCATAGTTACCAGCACACCCAC  
 TCCAAGGGGAAGATTACGACTGCGATAAATGTGGGAAGAGCTTTTCCAAGAACGAGGACCTGATCCGCC  
 ACCAAAAAATTCATACGCGGGACAAAACATACGAGTGCAAAGAGTGTAAGAAAGATTTTCTATCATTTGTC  
 TTCACTTTCTCGACACCTCCGCACTCACGCCGGCAGAAAACCTTACGAATGCAATCAGTGCAGAAAATCC  
 TTCTACCAGAAGCCACATCTGACAGAGCACCAGAAAACACACACTGGAGAGAAGCCTTTCGAGTGACCGG  
 AATGTGGGAAGTTCTTCTACGTGAAAGCCTACCTCATGGTGCATCAGAAGACACATACGGGTGAGAAACC  
 ATATGAGTGCAAGGAATGTGAAAAGCCTTCTCCCAAAGTCCCATCTTACTGTCCACCAACGAATGCAC  
 ACCGGCAGAAAACCTACAAATGTAAGGAGTGCGGCAAGTTCTTCTCACGCAATTCCTCATCTGAAGACGC  
 ACCAGAGTCCCATAACCGAGAGAAAACCTACGAATGTAAGAGTGTAAGAAATGCTTCTACAAAAGTC  
 AGCACTGACAGTGCAACGCAACACATACCGGGAAAAACCGTTTCGAGTGCAATAAGTGCGGGAAAAACC  
 TTCTACTATAAGAGCGACCTGACTAAACACAAAGAAAGCACACCGGAGAGAAGCCATATGAGTGTACAG  
 AATGTGGGAAGTCTTCGCGGTGAACCTCCGTGCTGCGACTGCACCAGAGAACGCACACTGGGAGAAAACC  
 CTATGCCTGTAAGAGTGTGGCAAATCATTTTACAGAAGAGTCACTTCATCATCCACCAGCGGAAGCAC  
 ACTGGCAGAAAACCGTATGAATGTCAGGAGTGCGGCGAGACTTTCATCCAGAAAAGTCAATTGACAGCCC  
 ACCAGAAAACCCACACAAAAGAGAAATGCAGAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222964 representing NM\_145011  
 Red=Cloning site Green=Tags(s)

MNKFQGPVTLKDVIVEFTKEEWKLLTPAQRTRYKDVMLNENYSHLVSVGYHVNKPNVFKLKQKKEPWILE  
 VEFPHRGFPEDLWSIHDLEARYQESQAGNSRNGELTKHQKTHTEKACECKEKGKFFCQKSALIVHQHTH  
 SKGKSYCDKCGKSFKNEDLIRHQKIHDRKTYECKECKKIFYHLSSLRHLRTHAGEKPYECNQCEKS  
 FYQKPHL TEHQKTHTEKPFECTECGKFFYVKAYLMVHQKTHTEKPYECKEKGKAFSQQKSHLTVHQRMH  
 TGEKPYCKECKGFFSRNSHLKTHQRSHTGEKPYECKEKRKCFYQKSAITVHQRTHTGEKPFECNKCGKT  
 FYYKSDLTKHQKHTGEKPYECTECGKSFVNSVLRHLRHTHTGEKPYACKECKGKFSQKSHFIIHQKHK  
 TGEKPYECQECGETFIQKSQLTAHQKTHTKRNAEK

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145011

**ORF Size:** 1368 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\\_145011.1](#), [NM\\_145011.2](#), [NM\\_145011.3](#), [NP\\_659448.1](#)

**RefSeq Size:** 4152 bp

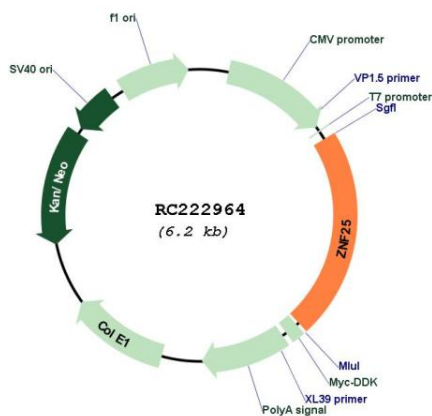
**RefSeq ORF:** 1371 bp

**Locus ID:** 219749

**UniProt ID:** [P17030](#)

**Cytogenetics:** 10p11.21  
**Domains:** KRAB, zf-C2H2  
**Protein Families:** Transcription Factors  
**MW:** 53.5 kDa  
**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC222964