

Product datasheet for **RG222964**

ZNF25 (NM_145011) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF25 (NM_145011) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF25
Synonyms:	KOX19; Zfp9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG222964 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)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAACAAGTTCAGGGGCTGTGACCCTGAAGGACGTCATCGTGGAGTTTACCAAAGAAGAATGGAAGC
 TGCTGACCCCGCACAGAGAACCTTGACAAGGATGTGATGCTGGAGAATTATTCTACCTCGTGTCTGT
 CGGCTACCACGTGAATAAGCCAAATGCGGTGTTTAACTCAAACAAGTAAGGAGCCTTGGATTCTGGAG
 GTGGAGTTTCCCATAGGGGATTCCAGAAGACTTGTGGAGCATACACGATCTCGAAGCCCGGTACCAGG
 AGTCACAGGCAGGCAACTCTCGGAACGGGGAGCTGACCAAGCACCAAAAGACACATACGACTGAAAAAGC
 TTGCGAGTGCAAGGAGTGCGGCAAGTTCTTTTGCCAGAAATCTGCCCTCATAGTTCACCAGCACACCCAC
 TCCAAGGGGAAGAGTTACGACTGCGATAAATGTGGGAAGAGCTTTTCCAAGAACGAGGACCTGATCCGCC
 ACCAAAAAATTCATACGCGGGACAAAACATACGAGTGCAAAGAGTGTAAGAAAGATTTTCTATCATTTGTC
 TTCACCTTCTCGACACCTCCGCACTCACGCCGGCGAGAAACCTTACGAATGCAATCAGTGCAGAGAAATCC
 TTCTACCAGAAGCCACATCTGACAGAGCACCAGAAAACACACACTGGAGAGAAGCCTTTCGAGTGACCGG
 AATGTGGGAAGTTCTTCTACGTGAAAGCCTACCTCATGGTGCATCAGAAGACACATACGGGTGAGAAACC
 ATATGAGTGCAAGGAATGTGAAAAGCCTTCTCCAAAAGTCCCATCTTACTGTCCACCAACGAATGCAC
 ACCGGCGAGAAACCTACAAATGTAAAGGAGTGCGGCAAGTTCTTCTCACGCAATCCCATCTGAAGACGC
 ACCAGAGGTCCCATACCGAGAGAAACCTACGAATGTAAAGAGTGTAAGAAATGCTTCTACCAAAAGTC
 AGCACTGACAGTGCAACGCGAACACATACCGGGGAAAAACCGTTTCGAGTGCAATAAGTGCGGGAAAAAC
 TTCTACTATAAGAGCGACCTGACTAAACACCAAGAAAGCACACCGGAGAGAAGCCATATGAGTGTACAG
 AATGTGGGAAGTCCTTCGCGGTGAACCTCGTGTGCGACTGCACCAGAGAACGCACACTGGGGAGAAACC
 CTATGCCTGTAAGAGGTGTGGCAAATCATTTTACAGAAGAGTCACTTCATCATCCACCAGCGGAAGCAC
 ACTGGCGAGAAACCGTATGAATGTCAGGAGTGCGGCGAGACTTTCATCCAGAAAAGTCAATTGACAGCCC
 ACCAGAAAACCCACACCAAAAAGAGAAATGCAGAGAAG

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

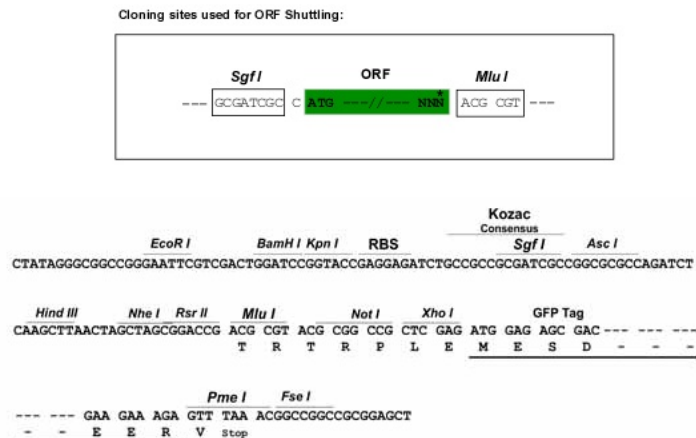
>RG222964 representing NM_145011
 Red=Cloning site Green=Tags(s)

MNKFQGPVTLKDVIVEFTKEEWKLLTPAQRTLYKDVMLNYSYHLSVSGYHVNKPNAVFKLKQKKEPWILE
 VEFPHRGFPEDLWSIHDLARYQESQAGNSRNGELTKHQKTHHTEKACECKEKGKFFCQKSALIVHQHTH
 SKGKSYCDKCGKSFKNEDLIRHQKIHDRKTYECKEKKIFYHLSSLRHLRTHAGEKPYECNQCEKS
 FYQKPHLTHQKTHTEKPFECTCGKFFYVKAYLMVHQKTHTEKPYECKEKGAFSQQSHLTVHQRMH
 TGEKPYCKECKGFFSRNSHLKTHQRSHTGEKPYECKEKRKFYQKSALTVHQRTHTEKPFECNKCGKT
 FYYKSDLTKHQKHTGEKPYECTCGKSFVNSVLRHLHQRTHTGEKPYACECKGKFSQKSHFIHQKHK
 TGEKPYECQECGETFIQKSQLTAHQKTHTKRNAEK

TRTRPLE - GFP Tag - V

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_145011.2](#), [NP_659448.1](#)

RefSeq Size: 4152 bp

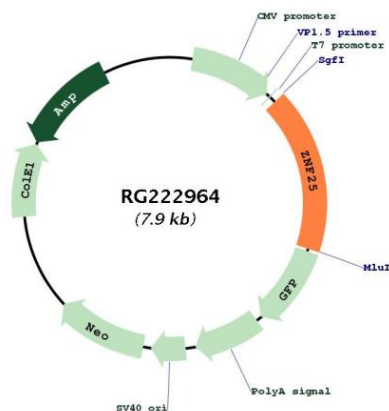
RefSeq ORF: 1371 bp

Locus ID: 219749

UniProt ID: [P17030](#)

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

Product images:



Circular map for RG222964