

## Product datasheet for **SC115800**

### ZNF24 (NM\_006965) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZNF24 (NM\_006965) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ZNF24  
**Synonyms:** KOX17; RSG-A; Zfp191; ZNF191; ZSCAN3  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006965 edited  
CTGCCGTGGACAGCGAAGCTGCTGCGGTTCCCTGAGCCGGAGGAGTGCCTGTGAAGAAAAC  
GGGGTATTGCCCTGAGGCTTATATTCTGCCTCAGTTGTCTTTTCTGAAATATTATAAAT  
CAGAATGTCTGCACAGTCAGTGAAGAAGATTCAATACTTATCATCCCAACTCCAGATGA  
AGAGGAAAAAATTCTGAGAGTGAAGTTGGAGGAGATCCTGATGGCGAAGAGGGATCAAG  
TATCCCCTGGAACCATCTCCAGACCCAGAGATTTCCGACAGCGATTACGGCAGTTTGG  
ATACCAGGATTCACCTGGGCCCGTGAGGCTGTGAGCCAGCTCCGAGAACTTTGCCGTCT  
GTGGCTCAGGCCAGAGACGCACAAAAGAACAATCTTGGAGCTGGTAGTGCTGGAGCA  
GTTTGTGCCATCTACCCAAAGAGCTACAGACTTGGGTTCGAGATCATCATCCAGAGAA  
TGGAGAGGAGGCAGTGACAGTGTGGAGGATTTGGAGAGTGAACCTGATGACCCTGGACA  
ACCGGTTTCTCTCCGTCGACGAAAACGGGAAGTACTAGTAGAAGACATGGTATCTCAAGA  
AGAAGCTCAGGGATTACCAAGTTCTGAGCTTGATGCTGTGGAGAACCAGCTCAAGTGGGC  
ATCCTGGGAGCTCCATTCCCTAAGGCACTGTGATGATGATGGTAGGACTGAAAATGGAGC  
ACTAGCTCCAAAGCAGGAGCTTCCTTCAGCATTAGAATCCCATGAAGTTCCTGGCACTCT  
CAGTATGGGTGTTCTCAATTTTTAAATATGGAGAACTGTTCCCAAGGGCAGGTT  
TGAAAGAAAGAGAAAATCCCTCTCGAAAGAAACAACATATATGTGATGAATGTGAAAAACA  
CTTCAGTCAGGGCTCAGCCCTTATTCTTCATCAAAGAATTCACAGTGGGGAGAAAACCTTA  
TGGATGTGTTGAGTGTGGGAAAGCATTACGCCAAGTTCATTCTGTGCAACACCAGAG  
AGTCCACTGGAGAAAACCTTACAAAATGTCTTGAATGTGGGAAAGCCTTTAGCCAGAA  
TTCCGGGCTTATTAATCATCAGAGAATCCATACTGGGGAGAAAACCTTATGAATGCGTTCA  
GTGTGGGAAATCGTATAGTCAAAGCTCAAATCTTTTTAGACATCAGAGAAGACACAAATGC  
AGAAAACTTCTGAATGTTGTGAAAGTTTAAGAAATTGAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006965 unedited            TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGCCGTGGACAGCG            AAGCTGCTGCGGTTCTGAGCCGGAGGAGTGCCTGTGAAGAAAACGGGGTATTGCCCTGA            GGCTTATATTCTGCCTCAGTTGTCTTTTCTTGAATATTATAAATCAGAAATGCTGCACA            GTCAGTGAAGAAGATTCAACTTATCATCCCAACTCCAGATGAAGAGGAAAAAATTCT            GAGAGTGAAGTTGGAGGAGGATCCTGATGGCGAAGAGGGATCAAGTATCCCTGGAACCA            TCTCCAGACCCAGAGATTTCCGACAGCGATTCCAGGCAGTTTGGATACCAGGATCCACC            TGGGCCCGTGAGGCTGTGAGCCAGCTCCGAGAAGTTTGCCGTCTGTGGCTCAGGCCAGA            GACGCACACAAAAGAACAATCTTGAGAGCTGGTAGTGCTGGAGCAGTTTGTGCCATCCT            ACCCAAAGAGCTACAGACTTGGGTTGAGATCATCATCCAGAGAATGGAGAGGAGGCAGT            GACAGTGTGGAGGATTTGGAGAGTGAAGTTGATGACCTGGNACACCGGTTTCTCTCCG            TCGACGAAAACGGGAAGTACTAGTAGAAGACATGGTATCTCAAGAAGAAGCTCAGGGATT            ACCAAGTCTGAGCTTGATGCTGTGGAGAACCAGCTCAAGTGGGCATCCTGGGAGCTCCA            TTCCCTAAGGCACTGTGATGATGATGGTACGACTGAAAATGGAGCACTAGCTCCCAAGCC            AGAGCTTNNCTCAGCATTANAATCCCATGAAGTTTCTGGCACTCTCAGTATGGGTGTT            CTCAAAATTTTTAATATGGGAGACACCTGTTTCCCGAGGCCAGGTTGAAAGAAGAGAAA            TCCTCTCGAAGN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006965 unedited            CAATCTACAGTCGAGTTTTTTTTTTTTTTTTTTTCAATTTCTTAACTTTCACAACATTCC            AAAAGTTTTCTGCATTGGGTCTCTCTGATGTCTAAAAAGAATTTGAGCTTTGACTATA            CGATTTCCACACTGAACGCATTATAAGGTTTCTCCCAAGTATGGATTCTCTGATGATT            AATAAGCCCCGAATTCTGGCTAAAGGCTTCCACATTCAAACATTTGTAAGGTTTTTC            TCCAGTGTGGACTCTCTGGTGTGCACAAAATGGAAGTTCGGCTGAATGCTTTCCACAC            CTCAACACATCCATAAGGTTTCTCCCACTGTGAATCTTTGATGAAAAATAAGGGCTGA            GCCCTGACTGAAGTGTTCACATTATCACATATATGTTGTTTCTTTCAAGAGGGATT            TCTCTTTCTTTCAAACCTGCCCTTGGGAAACAGGTTTCTCCATATTTAAAAATTTGAGG            AACACCATACTGAGAGTGCCAGGAAGTTCATGGGATTCTAATGCTGAAGGAAGCTCCTG            CTTTGGAGCTAGTGCTCCATTTTCTAGTCTACCATNATCATCACCAGTGCCTTAAGGAAT            GGACCTCCAGGATGCCACTTGAGCTGGTCTCCACAGCATCAAGCTCAGAAGTGGTA            ATCCCTGAGCTCTTTCTTGAGAACCATGTCTTCTACTAACACCTCCCGTTTTTCGTAAC            GGAGAGAAAACACGGGTGCCAGGTCATCAAGTCACTCTTCAAATCCTCAAAACGGCAA            TTGCTCTCTCCATCCCTGGATGAAGATCTCAAACCAATCTGTAAGTCTTGGGTAGAATG            GAAAACTGCTCCACACCACCCCAACAATTGTTCTTTGGTGGGATCCGGCCTGACCC            CACCGCAAGTTTTGAACTGCTCCACCCCGGCCAGTGAATCTGTTACCACCGCCG            AACCTGCCGAATTTGGCCGAAAAGTCCCGGGAAGTACCCCTCCCT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006965
<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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\\_006965.1](#), [NP\\_008896.1](#)

**RefSeq Size:** 2513 bp

**RefSeq ORF:** 1107 bp

**Locus ID:** 7572

**UniProt ID:** [P17028](#)

**Cytogenetics:** 18q12.2

**Domains:** LER, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** Transcription factor required for myelination of differentiated oligodendrocytes. Required for the conversion of oligodendrocytes from the premyelinating to the myelinating state. In the developing central nervous system (CNS), involved in the maintenance in the progenitor stage by promoting the cell cycle. Specifically binds to the 5'-TCAT-3' DNA sequence (By similarity). Has transcription repressor activity in vitro.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.