

Product datasheet for **RG200613**

ZNF24 (NM_006965) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF24 (NM_006965) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF24
Synonyms:	KOX17; RSG-A; Zfp191; ZNF191; ZSCAN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200613 representing NM_006965 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCACAGTCAGTGAAGAAGATTCAACTTATCATCCCAACTCCAGATGAAGAGGAAAAATTC
TGAGAGTGAAGTTGGAGGAGGATCCTGATGGCGAAGAGGGATCAAGTATCCCCTGGAACCATCTCCAGA
CCCAGAGATTTCCGACAGCGATTCAGGCAGTTTGGATACCAGGATTCACCTGGGCCCGTGAGGCTGTG
AGCCAGCTCCGAGAACTTTGCCGTCTGTGGCTCAGGCCAGAGACGCACAAAAAGAACAATCTTGAGC
TGGTAGTCTGGAGCAGTTTGTGCCATCTACCCAAAGAGCTACAGACTGGGTTGAGATCATCATCC
AGAGAATGGAGAGGAGGCAGTGACAGTGTGGAGATTTGGAGAGTGAACCTTGATGACCCCTGGACAACCG
GTTTCTCTCCGTCGACGAAAACGGGAAGTACTAGTAGAAGACATGGTATCTCAAGAAGAAGCTCAGGGAT
TACCAAGTTCTGAGCTTGATGCTGTGGAGAACCAGCTCAAGTGGGCATCCTGGGAGCTCCATTCCCTAAG
GCACTGTGATGATGATGGTAGGACTGAAAATGGAGCACTAGCTCCAAAGCAGGAGCTTCTTCAGCATT
GAATCCCATGAAGTTCTGGCACTCTCAGTATGGGTGTTCTCAAATTTTTAAATATGGAGAAACCTGTT
TCCCAAGGGCAGGTTTGAAGAAAGAGAAATCCCTCTCGAAAGAAACAATATATGTGATGAATGTGG
AAAACACTTCAGTCAGGGCTCAGCCCTTATTCTTCATCAAAGAATTCACAGTGGGAGAAACCTTATGGA
TGTGTTGAGTGTGGAAAGCATTAGCCGAAGTCCATTCTGTGCAACACCAGAGAGTCCACACTGGAG
AAAAACCTTACAAATGTCTTGAATGTGGGAAAGCCTTTAGCCAGAATTCGGGGCTTATTAATCATCAGAG
AATCCATACTGGGAGAAACCTTATGAATGCGTTCAGTGTGGAAATCGTATAGTCAAAGCTCAAATCTT
TTAGACATCAGAGAAGACACAATGCAGAAAACTTCTGAATGTTGTGAAAGTT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200613 representing NM_006965
 Red=Cloning site Green=Tags(s)

MSAQSVEEDSILIIPTPDEEEKILRVKLEEDPDGEEGSSIPWNHLPDPEIFRQFRQFGYQDSPGPREAV
 SQLRELRLWLRPETHTKEQILELVLEQFVAILPKELQTVWRDHPENGEAAVTVLEDLESELDDPGQP
 VSLRRRKREVLVEDMVSQEEAQGLPSELDAVENQLKASWELHSLRHCDGRTENGALAPKQELPSAL
 ESHEVPGTLSMGVPQIFKYGETCFPKGRFERKRNPSRKKQHICDECGKHFSGQSALILHQRHSGEKPYG
 CVECCKAFSRSSILVQHQRVHTGEKPYKCLECGKAFSQNSGLINHQRHHTGEKPYECVQCGKSYSQSSNL
 FRHQRRHNAEKLLNVVKV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006965

ORF Size: 1104 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_006965.1](#), [NP_008896.1](#)

RefSeq Size: 2513 bp

RefSeq ORF: 1107 bp

Locus ID: 7572

UniProt ID: [P17028](#)

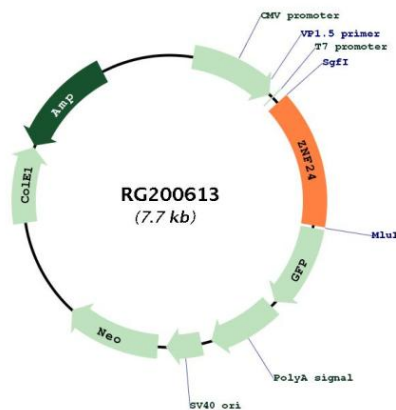
Cytogenetics: 18q12.2

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]

Product images:



Circular map for RG200613