

Product datasheet for **RG214634**

ZNF131 (NM_003432) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF131 (NM_003432) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF131
Synonyms:	pHZ-10; ZBTB35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214634 representing NM_003432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGCTGAAGAGACGATGGAATGCCTTCAGGAGTTCCTGAACATCATAAAATGATCCTCGACCGAT
 TGAATGAACAGCGAGAGCAGGACCGGTTTACTGACATCACCTAATTGTCGACGGACACCATTTTAAGGC
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 TTGGTGGAGATAGAAGGTGTAGTAAAATGGCCTTTCGCCATTTAATTGAGTTCACATATACAGCAAAAT
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 GCTGAGGATTTAGAGACCAAGCCAACAGTGGATTCTGAAGCAGAAAAGGCAGAGAATGAGGACAGAACAG
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

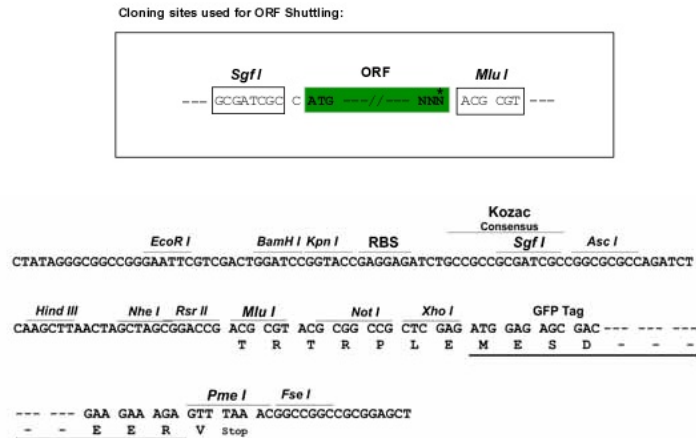
>RG214634 representing NM_003432
 Red=Cloning site Green=Tags(s)

MEAEETMECLQEFPEHHKMILDRLENEQREQDRFTDITLIVDGHFKAHKAVLAACSKFFYKFFQEFTQEP
 LVEIEGVSKMAFRHLIEFTYTAKLMIQGEENANDVWAAEFLQMLEAIKALEVRNKENSAPLEENTTGKN
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 LSVETRVQTEPVTSMITIEQVGKVHVLPLLQVQVDSAQVTVEQVHPDLLQDSQVHDSHMSSELPEQVQVSY
 LEVGRIQTTEEGTEVHVEELHVERVNQMPVEVQTELEADLDHVTPEIMNQEERESSQADAAEAAREDHED
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TRTRPLE – GFP Tag – V

Restriction Sites:

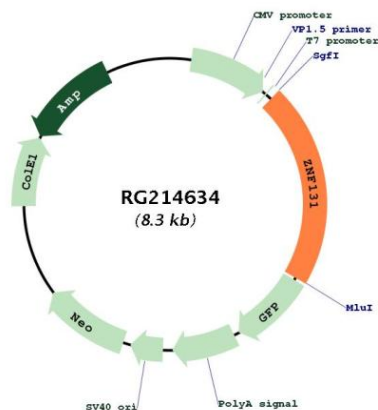
SgfI-MluI

Cloning Scheme:


ACCN:	NM_003432
ORF Size:	1767 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_003432.3
RefSeq Size:	2415 bp
RefSeq ORF:	1770 bp
Locus ID:	7690
Cytogenetics:	5p12
Protein Families:	Transcription Factors

Gene Summary:

Plays a role during development and organogenesis as well as in the function of the adult central nervous system (By similarity). May be involved in transcriptional regulation as a repressor of ESR1/ER-alpha signaling.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG214634