

Product datasheet for **RG200091**

ZNF581 (NM_016535) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF581 (NM_016535) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF581
Synonyms:	HSPC189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200091 representing NM_016535 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGTGTGCCATCCCCCTGCCCTCAGCCTCTGGCATTTCCTCCGTTGAGACCATGGAGGGCCCTC
CCCGTCGGACTTGCCGCTCCCAGAACCTGGACCTTCCTCCTCCATCGGATCTCCCAGGCTTCATCTCC
TCCAAGGCCCAACCACTACCTGCTTATTGACACTCAGGGTGTCCCCTACACAGTGTGGTGGACGAGGAG
TCACAGAGGGAGCCAGGGGCCAGTGGGGCTCCAGGCCAGAAAAAGTGCTACAGCTGCCCCGTGTGCTCAA
GGGTCTTCGAGTACATGCTCCTACCTTCAGCGACACAGCATCACCACTCGGAGGTAAAGCCCTTCGAGTG
TGACATCTGTGGGAAGGCATTCAAGCGCGCCAGCCAATTGGCACGGCACCATTCCATTACCTGGCGGGT
GGTGGGCGGCCACGGCTGCCCGCTCTGCCCTCGCCGCTTCGGGATGCGGGTGAGCTGCCCCAGCACA
GCCGGGTGCACTCTGGGAGCGCCGTTTCAGTGTCCACACTGCCCTCGCCGCTTTATGGAGCAGAACAC
ACTGCAGAAACACACGCGGTGGAAGCATCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG200091 representing NM_016535 Red=Cloning site Green=Tags(s)
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MLVLPSPCPQPLAFSSVETMEGPPRRTCRSPEPGPSSSIGSPQASSPPRPNHYLLIDTQGVPTVLVDEE
SQREPGASGAPGQKKCYSCPVCVSRVFEYMSYLQRHSITHSEVKPFECIDCGKAFKRASHLARHHSIHLA
GGRPHGCPLCPRRFRDAGELAQHSRVHSGERPFQCPHCPRRFMEQNTLQKHTRWKHP

TRTRPLE - GFP Tag - V

Restriction Sites:	SgfI-MluI
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Cloning Scheme:


ACCN: NM_016535

ORF Size: 591 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016535.3](#), [NP_057619.1](#)

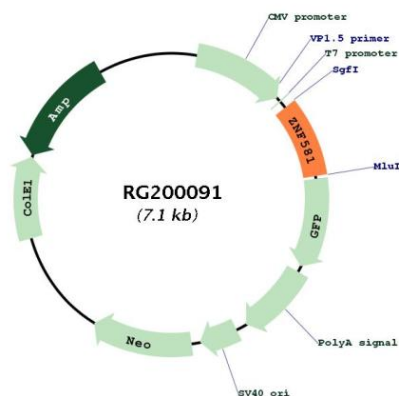
RefSeq Size: 1258 bp

RefSeq ORF: 594 bp

Locus ID: 51545

UniProt ID: Q9P0T4
 Cytogenetics: 19q13.42
 Domains: zf-C2H2
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200091