

Product datasheet for RG225068

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OriGene Technologies, Inc.

ZNF680 (NM 001130022) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ZNF680 (NM_001130022) Human Tagged ORF Clone

Tag: TurboGFP Symbol: ZNF680

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG225068 representing NM_001130022
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCCAGGACCACCTGGAAGCCTAGAAATGGGACCACTGACATTTAGGGATGTGGCCATAGAATTCTCTC TGGAGGAGTGGCCAATGCCTGGACACTGCACAACGGAATTTATATAGGAAAGTGATGTTTGAGAACTACAG AAACCTGGTCTTCCTGGGTATTGCTGTCTCTAAGCCTCACCTGATAACCTGTTTTGGAGCAAGGAAAAGAG CCCTGGAATAGGAAGAGACAGGAGATGGTAGCCAAACCCCCAGAGTCTTACTGTTTGCTCAGGCTGATC TTGAACTCCTGGTCTCAAGTTATCTTACTGCCTTGGCCTCCCTAAAGATGTGGGATTACAGAAATAATCC

ACTTTGCCAGGCTACTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG225068 representing NM_001130022

Red=Cloning site Green=Tags(s)

MPGPPGSLEMGPLTFRDVAIEFSLEEWQCLDTAQRNLYRKVMFENYRNLVFLGIAVSKPHLITCLEQGKE

PWNRKRQEMVAKPPESYCVAQADLELLVSSYLTALASLKMWDYRNNPLCQATM

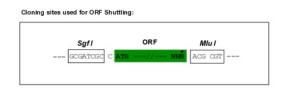
TRTRPLE - GFP Tag - V

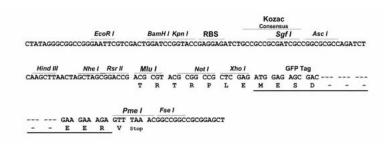
Restriction Sites: Sgfl-Mlul



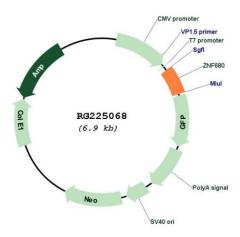


Cloning Scheme:





Plasmid Map:



ACCN: NM_001130022

ORF Size: 369 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



ZNF680 (NM_001130022) Human Tagged ORF Clone - RG225068

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: <u>NM 001130022.1</u>, <u>NP 001123494.1</u>

 RefSeq Size:
 2288 bp

 RefSeq ORF:
 372 bp

 Locus ID:
 340252

 UniProt ID:
 Q8NEM1

 Cytogenetics:
 7q11.21

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]