

## Product datasheet for **RG214316**

### ZNF580 (NM\_016202) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZNF580 (NM\_016202) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ZNF580  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG214316 representing NM\_016202  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGCTGCTGCTGCCGCCGCGGCCACCCACCCTCGGTCTCTCTCCGGAGGCCATGGACCCACCGCCCC  
 CCAAGGCTCCCCCTTCCCAAGGCGGAAGGCCCTCCTCACTCCTTCTCGGCGGCGGGGCCCGACC  
 CCCGCGGTGGGCGCCACCTCCTCATCGACGCCAATGGGGTCCCTACACATACACGGTGCAGCTGGAG  
 GAGGAGCCCCGGGCGCCGCCAGCGCGAGGCGCCCCAGGAGAGCCCGGCCCTCGCAAGGGCTACAGT  
 GCCCGGAGTGCGCCGTGTCTTTGCCAGCCCTCTGCGGCTGCAGAGCCACCGCGTGTGCACTCGGACCT  
 CAAGCCCTTACGTGCGGCGCCTGCGGCAAGGCCTTCAAGCGCTCCAGCCACCTGTGCGGCATCGCGCC  
 ACGCACCGCGCCGCGCGGGCCGCGCACACCTGCCCGCTCTGCCACGCCGCTTCCAGGACGCCGCGG  
 AGCTGGCGCAGCAGTGCCTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG214316 representing NM\_016202  
Red=Cloning site Green=Tags(s)

MLLLPPRPPHPRSSPEAMDPPPPKAPFPKAEGPSSTPSSAAGPRPRLGRHLLIDANGVPYTYTVQLE  
 EEPGPPQREAPPGEPRKGYSCPECARVASFPLRLQSHRVSHSDLKPFTCGACGKAFKRSSHLSRHRA  
 THRARAGPHTCPLCPRRFQDAEELAQHVRLH

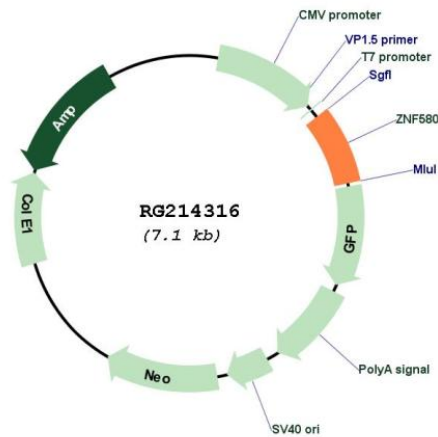
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_016202

**ORF Size:** 516 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.

<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_016202.2</a></u> , <u><a href="#">NP_057286.1</a></u>
<b>RefSeq Size:</b>	1433 bp
<b>RefSeq ORF:</b>	519 bp
<b>Locus ID:</b>	51157
<b>UniProt ID:</b>	<u><a href="#">Q9UK33</a></u>
<b>Cytogenetics:</b>	19q13.42
<b>Domains:</b>	zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	Involved in the regulation of endothelial cell proliferation and migration. Mediates H(2)O(2)-induced leukocyte chemotaxis by elevating interleukin-8 production and may play a role in inflammation. May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]