

## Product datasheet for **RG227566**

### ZNF853 (NM\_017560) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF853 (NM_017560) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF853
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG227566 ORF sequence, **codon optimized**.  
**Due to the complexity of NM\_017560, the ORF clone is codon optimized for mammalian Expression.**  
**The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.**

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCACCAGCCTACCCAGGCAACAGAGGCCTGACTGCAAGAATGGAGGTGGGACCCGCAACCGAGA  
 CATTTGTGTTGGAAGTGCAGTGCCTGGAGGATGGCGGACCTGGGCCCGATACGCTGAGTGGGGTCTGG  
 GGGGAGCGAGTCTCAGGAGGAGGAAGAACCCCAAGAAAGAAATAGTAGCCCGCAGAGGCCCGCCGTCTCA  
 GCACCGGTTGGCGCTAGCGAGATCGCGGAAGAACTCGGCCCGGGCAGAGAGAGCTCCAACCTCCAGCAGC  
 TTGAACAACAGCCCGAACCCAGCAGCAGCCGAGCAGCAGCTCCAACAACACAGCCCATCTGGA  
 GCTTCAACAGCAGCCTAACAGGATGGCCAGCAGCAACTTTCACAGCTTACAGCAAGAGAAGCACCAGTCA  
 GTCCACCATCAGGAGCTTAAGCCCGAAGTGCAGCTGATGCATCAACAGCAGCAGCTGCAGCCTCAGCAGG  
 TTCAGGAACAGCAGCGGTTGCAGCAGCAGCAGGAACAGCTTACAGACAGCAGGCTCAGGAGCAGCAGGT  
 CCTTCAGCAGCAGGAGCAATTGCAACAGCAGGTCCAGGAACAGCAGCTGCTTCAGCAGCAGCAGGAGCAA  
 CTGCAACAGCAACAGCTGTTGCAGCAGCAGGAGCAGCTGCAGCAGCAGCAATTCAGCAGCAGCAGGAGC  
 AACTCCAACAGCAGCAGCAGCTGTTGTTGCTCCAGCAGCAGGGACAACAGCAGCAGCTGCTTCAGCA  
 CAGCAGGCTCAACTGCAGCAACAGCTCCTGGAGCAGCAACAGGCCAGCTGCAGCAGCAAGTGTGTTG  
 CAGCAGCAAGAGCAGCTGCAGCAGCAGCAGCAGCAGCTCCTGCAGCAGCAGCAAGAACAGCTGCAGC  
 AGCAGCAGCTGCAACCCCAACCTTGAACCCAGAGAGGAGGAGGAAAGTTGAATTGGAAGTATGCCAGT  
 TGATCTGGGCTCCGAACAGGAGTTGGAACAGCAGAGACAAGAGTTGAAAAGACAACAGGAAGTGGAGAGA  
 CAACAGGAGCAGAGGCGAGCTCCAAGTGAAGTTGCAAGAAGAGCTGCAGCAGCTGGAGCAGCAGCTTGAAC  
 AGCAGCAGCAGCAACTGGAGCAGCAAGAGGTCCAGTTGGAAGTACTCCTGTCTGAGCTCGGCGCACAGCA  
 GCAGGAGGTCCAGCTGGAGCTGACTCCCGTGCAGCCGAACTCCAGCTGGAGTTGGTTCTGCAGCTGGT  
 GCGCGCGCGCCGCTGTGCTGGCGCCCCGAGCTGTTGTGGTTGCCCCACCAGGGTATGTGGTTGTTT  
 AGGAAGTATGGTACTGCCCGCTGTAGCTGCGCCTGCCGTTGTGGCAATCCCTGGCCAGCTGGCTCCGC  
 TGCCCTTACCCCGCTCGCCAACGCCGGCGCCGAGAGCTAGAGATCGACCTACTATATGCGGTGAGTGC  
 GGGAAAGGGTTCTCCAGATCAACAGACCTCGTGGGACATCAGGCCACGCACACTGGTGAGAGGCCTCATC  
 GATGCGGCGAATGCGGCAAGGGGTTTTCTCAGCACAGCAACCTGGTGACTCACCAGAGGATCCACACCGG  
 AGAGAAACCATACGCTGCAGCTACTGCGCAAGAGGTTTAGCGAGTCACTAGCTCTCGTGCAGCACCAG  
 CGGACCCACACAGGCGAAAGGCCCTACGCATGCGGTGATTGTGGAAGCGATTTCCGTAAGTTCTAACC  
 TGCTGCGCCACCGGAGAACCACAGCGGCGAGCGGCCCTATGTGTGCGAGGATTGTGGAGAGCGATTCCG  
 ACATAAGGTCCAGATACGGAGGCACGAGCGGCAACTCCATGGGGCGGGAAGATCTCGCGGTCTGGGACTG  
 CTCCGCGCGTCAAGACCAGCCGCTCTGGGTGGCCCGCCAGGGCCGAGCAAGCTGCAACCGCCACTGCAC  
 CGGCCGATAAGGCGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG227566 representing NM\_017560  
 Red=Cloning site Green=Tags(s)

MLHQPTPGNRGLTARMEVGPATETFVLELQCLEDGGPGPDTLGGGSGGSESQEEEEEPQERNSSPQRPAVS  
 APVGASEIAEETRPGQRELQLQLEQQPEPQQQPQHEQLQQPQPHLELQQQPQDGGQQLSQLQQEKHQS  
 VHHQELKPELQLMHQQQLQPQQVQEQRLQQQQEQQLTQQAQEQVLLQQQEQLQQVQEQQLLQQQQEQ  
 LQQQQLLQQQEQLQQQFQQQQEQQLQQQQQLLLLQQQGQLQQQLLQQQAQLQQQLLEQQQAQLQQQLL  
 QQEQQLQQQQQQQLLQQQEQLQQQLQPPLPEEEEEVELELMPVDLGSEQELEQQRQELERQQELER  
 QQEQRQLQLKLEELQLEQQLEQQQQLEQQEVQLELTPVELGAQQQEVQLELTPVQPELQLEL VPAAG  
 GGGAAVPGAPAAVVVAPPYVVVQELMVLPAVAAPAVVAIPGPAGSAALTPARQRRRRRARDRPTICGEC  
 GKGF SRSTDLVRHQATHTGERPHRCGECGKGF S QHSNLVTHQRIHTGKPYACSYCAKRFSESSALVQHQ  
 RTHTGERPYACGDCGKRF SVSSNLLRHRRTHSGERPYVCEDCGERFRHKVQIRRHHERQLHGAGRSRGLGL  
 LRASRPAALGGPARAEQAATATAPADKAL

TRTRPLE - GFP Tag - V

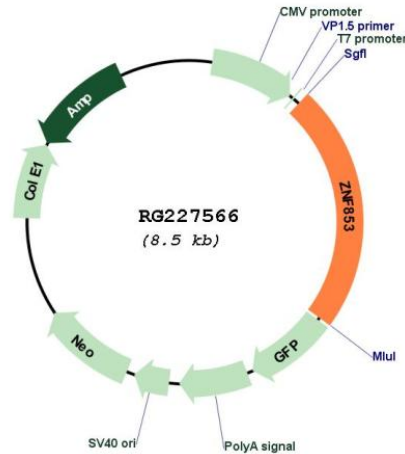
**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_017560

**ORF Size:** 1977 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\\_017560.1](#), [NP\\_060030.1](#)

**RefSeq Size:** 3864 bp

**RefSeq ORF:** 1980 bp

Locus ID: 54753  
UniProt ID: [P0CG23](#)  
Cytogenetics: 7p22.1