

## Product datasheet for **RG219156**

### ZNF300 (NM\_052860) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF300 (NM_052860) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF300
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG219156 representing NM\_052860  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGAAGTCCCAGGGTTAGTATCATTCAAGGATGTGGCTGTGGATTTACCCAGGAGGAGTGGCAGC  
 AACTTGACCCCTTCTCAGAGGACCCTGTACAGGGATGTGATGCTGGAGAACACAGCCACCTGGTCTCAAT  
 GGGGTATCCAGTTTCCAACCAGATGTCATCTCCAAGTTGGAACAAGGAGAAGAGCCATGGATCATAAAG  
 GGAGACATATCAAATGGATCTATCCAGATGAATATCAGGCAGATGGGAGACAAGACAGGAAGAGTAACC  
 TTCACAACTCCCAGTCATGTATTTGGGACAGTTTCTTCCATCATAAGATACTGAAAGGAGTCACAAG  
 GGATGGTTCATTGTGCTCCATTTAAAAGTCTGTCAAGGTGATGGTCAGCTGCAGAGATTCTAGAGAAT  
 CAAGACAACTCTTCAGGCAGGTCACATTTGTTAACAGCAAACAGTGACTGAGGCATCAGGCATAAAT  
 ATAATCCACTGGGAAAAATTTCAAGAGTGCATAGAAACAGATATATCAATACAGAGATTCCATAAATA  
 TGATGCTTTTAAAAAGAACTTAAAACAAATATTGACCTACCGAGTTGTTATAAGAGCAATCAAGAAAA  
 AAACCTGATCAGAGTTTTGGAGGTGGAAAATCATCTAGCCAGAGTGAGCCCAATCTAATCTTGAGAAGA  
 TTCACAATGGAGTAATACCTTTTGATGATAATCAGTGTGGAAACGTTTTTAGAAAACACAAATCCCTTAT  
 TCAATATCAGAATGTGGAAACTAAAGAGAAAAGCTGTGTATGTGTACATGTGGAAAAGCCTTTGCTAAG  
 AAGTCACAACTCATTGTACATCAAAGAATTCATACTGGAAAGAAACCATATGATTGTGGTGCATCGCGAA  
 AAGCCTTCAGTGAGAAGTTTCATCTTGTGTACATCAGAGAACTCATACTGGGGAGAAACCTTATGATTG  
 TTCTGAATGTGGAAAAGCCTTCTCTCAGAAATCGTCCCTTATTATACATCAGAGAGTTCACACTGGGAA  
 AAACCTATGAATGTAGTGAATGCGGAAAGCCTTCTCCAGAAATCACCCCTCATTATACATCAGAGAA  
 TACATACTGGGAAAAACCTATGAATGTAGAGAGTGTGGAAAGCCTTTTCCAGAAAGTCACAGCTGAT  
 TATACACCACAGAGCTCATACTGGAGAGAAGCCGTATGAGTGTACCGAATGTGGGAAAGCCTTCTGTGAG  
 AAGTCCCACCTCATTATACATAAAAAGAAATTCACACTGGTGGAAACCTACAAATGTGCTCAATGTGAGG  
 AAGCCTTCAGCAGGAAGACAGAACTCATTACACATCAGTTAGTTCATACTGGGAAAAACCTTATGAATG  
 TACTGAATGTGGAAAGACATTCTCCCGAAGTCACAGCTCATACATCAGAGAACACATACTGGAGAA  
 AAACCTATAAATGTAGTGAATGTGGCAAAGCCTTCTGCCAGAAGTCACATCTCATTGGACATCAGAGAA  
 TTCACACAGGAGAAAAACCTTATATGTACTGAATGTGGGAAAGCCTTCTCTCAGAAGTCCCACCTTCC  
 GGGACACCAGCGAATTCATACAGGAGAGAAACCTTACATATGTGCTGAATGTGGAAAGCCTTTTCTCAG  
 AAGTCAGACCTTGTTTTACATCAGAGGATTCATACTGGGAAAGCCTTATCAATGTGCTATATGTGGGA  
 AGCCTTCATCCAGAAGTCACAACTAAGTACACCAGAGAATTCACACAGTGGTAAAATCA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG219156 representing NM\_052860  
 Red=Cloning site Green=Tags(s)

MMKSQGLVSKFDVAVDFTQE EWQQLDPSQRTL YRDVMLENYSHL VSMGYPVSKPDVISKLEQGEEPWIIK  
 GDISNWIYPDEYQADGRQDRKSNLHNSQSCILGTVSFHHKILKGVTRDGLCSILKVCQGDGQLQRFLN  
 QDKLFRQVTFVNSKVTVEASGHKYNPLGKIFQECIETDISIQRFHKYDAFKNLKPNIDLPCYKNSNRK  
 KPDQSFGGKSSSQSEPNLEKIHNGVIPFDDNQCGNVFRNTQSLIQYQNVETKEKSCVCVTCGKAFK  
 KSQLIVHQR IHTGKKPYDCGACGKAFSEKFHLV VHQRTHTGKPYDCSECGKAFS QKSSL I IHQRVHTGE  
 KPYECSECGKAFS QKSP L I IHQR IHTGKPYECRECGKAFS QKSQL I IHRAHTGKPYECTECGKAFCE  
 KSHL I IHKRIHTGKPYKCAQCEEF SRKTEL I THQLVHTGKPYECTECGKTF SRKSQL I IHQRTHTGE  
 KPYKCSECGKAF CQKSHL IGHQR IHTGKPYICTECGKAF S QKSHLPGHQRIHTGKPYICAECGKAFSQ  
 KSDLV LHQR IHTGERPYQCAICGKAF IQKSQLTVHQRIHTVVKS

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI



<b>ORF Size:</b>	1812 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_052860.2</a> , <a href="#">NP_443092.1</a>
<b>RefSeq Size:</b>	3282 bp
<b>RefSeq ORF:</b>	1815 bp
<b>Locus ID:</b>	91975
<b>UniProt ID:</b>	<a href="#">Q96RE9</a>
<b>Cytogenetics:</b>	5q33.1
<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	The protein encoded by this gene is a C2H2-type zinc finger DNA binding protein and likely transcriptional regulator. The function of this protein is not yet known. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]