

## Product datasheet for **RG239006**

### ZNF7 (NM\_001282797) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF7 (NM_001282797) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF7
Synonyms:	HF.16; KOX4; zf30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239006 representing NM\_001282797.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACATCCTAAAATCAGAATCCTATGGGACAGTGGTCAGAATCTCCACAGGACTTTCCTCAGAAT
CCTGGCTTTGGAGACGTTTCTGATTCTGAGGTCTGGTTAGACAGTCATCTGGGCAGTCCCGGCTGAAA
GTGACAGGCTTTACCTTCCAAAATAACTGTTTGAATGAGGAGACTGTGGTTCCCAAGACCTTCACCAAG
GACGCACCCAGGGATGTAAAGGACTGGGAAGCAGCGGCCTGGATTGTCAGCCTCTTAAAAGTCAGGGA
GAGAGTGCGAAGGGATGTCCAGAGATGCGAGGAGTGTGGCAAAGGCATCAGAGCCACTTCAGATATC
GCTCTGCATTGGGAAATTAATACACAGAAAATTAGCAGATGTCAAGAATGCCAAAAAAGTTATCTGAC
TGCTTGCAGGGGAAACATACAAATAACTGCCATGGAGAGAAGCCGTACGAATGTGCAGAGTGTGGGAAA
GTCTTCAGGCTCTGCTCGCAGCTTAATCAGCATCAGAGAATCCACACGGGAGAGAAAACCTTTAAATGC
ACTGAGTGTGAAAAGCCTTCCGCCTGAGCTCAAACTTATTAGCATCAAAGAATCCACTGCGGGAG
AAGCCCTACAGATGTGAGGAATGTGAAAAGCTTTTGGTCAGAGCTCAAGCCTCATCCACCATCAGAGA
ATCCACACAGGAGAGAGGCCCTATGTTGTCGTGAGTGTGGGAAAAGCCTTCAGCCAGCAGTCGCAGCTG
GTTAGACACCAGAGAACTCACACTGGGGAGAGGCCCTACCTTGAAGGAGTGTGGGAAGCCCTCAGC
CAGAGCTCCACCTAGCCAGCATCAAAGGATGCATACTGGGGAGAAAAGCTCAAATTTAAAAGCCTCA
GACAGTCCAAGCCTTGTTCACATCAGAGAATTCACGCTGTAGAGAAACATTTAAGTGTGATGAGTGT
GGGAAAGCTTTTAGTGGATCTCTCGCCTGAGTCAGCATCAGCTGATTCACACTGGAGAGAAGCCTTAT
AAATGCAACAAGTGTACAAAAGCCTTTGGTTGTAGTTCACGGCTTATTGCCATCAGAGAATCACACT
GGAGAAAACCATTTAAATGTGATGAGTGTGGCAAAGCCTTTGTTGAGGCTCACACCTTATTAGCAT
CAGCGAATCCACACTGGAGAGAAAACCTATGTTGTAATGACTGTGAAAAGCCTTCAGTCAGAGTTCC
AGCCTTATTTACCATCAGAGAATCCATAAAGGAGAGAGAAGCCCTACGAATGCCTCCAATGCCGAAAAGCC
TTCAGTATGAGCACACAGCTTACAATACATCAAAGGGTTCACACTGGAGAGAGGCCCTATAAATGTAAT
GAATGTGGGAAAGCCTTCAGTCAAACTCAACCTTTTCCAACACCAGATAATTCATGCAGGGGTGAAG
CCCTATGAGTGCAGTGTGGAAAAGCCTTCAGCCGGAGCTCATATCTATTGAACACCAGAGAATA
CACACTAGGGCCAGTGGTTTTACGAATATGGGAATGCCCTGGAAGGGTCCACCTTTGTGAGCCGTA
AAGTTAATACTATAAGAACTGCATCAGTGTGAAGACTGTGAGAAGATATTTAGTGGCGTTCACAC
CTAATTATACACCAGAGAATTCACACGGGAGAGGCCCTATAAATGCAATGACTGTGGCAAAGCTTTT
AATCGTAGCTCAAGGCTTACCCAGCATCAAAAATTCACATGGGA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG239006  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MDILKSESYGTVVRI SPQDFPQNPFGDVSDSEVWLD SHL GSPGLKVTGFTFQNNCLNEETVVPKFTFK
DAPQGCKELGSSGLDCQPLESQGESAEGMSQRCEECGKIRATSDIALHWEINTQKISRQECQKKLSD
CLQGKHTNCHGKPYECAECGVFRLCSQLNQHQRIHTGEKPFKCTECGKAFRLSSKLIHQHQRIHTGE
KPYRCEECGKAFGQSSSLIHHQRIHTGERPYGCRECGKAFSQSSQLVRHQRTHTGERPYPCKEKGAFS
QSSTLAQHQMHTGEKAQILKASDSPSLVAHQRIHAVEKPFKDECGKAFRWISRLSQHQLIHTGEKPY
KCNKCTKAFGCSSRLIRHQRTHTGEKPFKDECGKGFVQGSHLIHQHQRIHTGEKPYVNCNDCGKAFS
SLIYHQRIHKGEKPYECLQCGKAFSMSTQLTIHQRVHTGERPYKNECGKAFSQNSTLFQHQI IHAGVK
PYECSECGKAFSRSSYLIEHQRIHTRAQWFYEYGNALGSTFVSRKKVNTIKKLHQCEDCEKIFRWRSH
LIIHQRIHTGEKPYKNCNDCGKAFNRSSRLTQHQLIHMG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

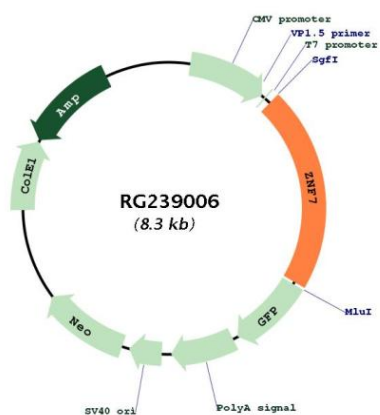
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


- ACCN:** NM\_001282797
- ORF Size:** 1770 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).
- RefSeq:** [NM\\_001282797.1](#), [NP\\_001269726.1](#)
- RefSeq Size:** 2125 bp
- RefSeq ORF:** 1773 bp
- Locus ID:** 7553
- UniProt ID:** [P17097](#)
- Cytogenetics:** 8q24.3
- Protein Families:** Transcription Factors
- MW:** 67.6 kDa
- Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG239006