

## Product datasheet for **RG237968**

### ZNF302 (NM\_001289186) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF302 (NM_001289186) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF302
Synonyms:	HSD16; MST154; MSTP154; ZNF135L; ZNF140L; ZNF327
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237968 representing NM_001289186. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCAGGTGACATTTAGTGATGTGGCTATAGACTTCTCTCATGAAGAGTGGGCATGCCTAGATTCT
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GTAACAAGCCATATGTGATCATGTTATTGGAGGATGGAAAAGAGCCCTGGATGATGGAGAAAAAAGT
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TCACCCCAACCAGTAACAATGGAAAAAGTTGTAACAAGGATTTATGAATTTTCAAATTTCTAATAAGAT
TTGGAATATACAGAATGCGACACATTTAGAAGCACCTTTTCAATCAAAGTCTACTCTTTCTGAACCACAA
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TGTCGTGAATGTGGGAAGACTTTTAGCCATGGTTCATCCCTTACACGACATCAGATAAGCCATAGTGGA
GAGAAACCTTACAAATGCATTGAATGTGGGAAGGCCTTTAGCCATGGCTCATCACTACTAACCATCAG
AGCACTCACACGGGAGAGAAAACCGTATGAATGTATGAAGTGTGGAAAGTCTTTTAGTCGTGTGTCCTT
CTCATAGCATCTAAGAATTCATACGCAAGAAAACGCTATGAGTGTGATATGTGGAAAGGCCTTTC
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TGTGGGAAAGCTTTCTGCTGTAGCTCACACCTTACTCAACATCAAAGAATTCACAGTATGAAGAAAAA
TATGAATGCAACAAATGTCTCAAGGCTTTAGTAGCTTCTCATTCTTGTCAACATCAGAGTATTCAT
ACTGAAGAAAAACCGTTTGAAGTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237968  
 Blue=ORF Red=Cloning site Green=Tag(s)

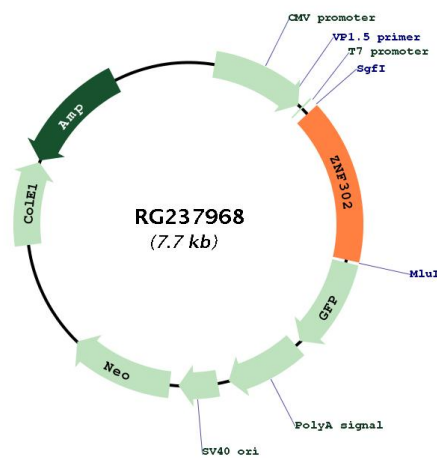
MSQVTFSDVAIDFSHEEWACLDSAQRDL YKDMVQNYENLVSVGLSVTKPYVIMLLEDGKEPMMMEKKL  
 SKDWSRWENKELSTKKDIYDEDSPQPVTMEKVVKQSYEFSNSKNLEYTECDTFRSTFHSKSTLSEPD  
 NNSAEGNSHKYDILKKNLSKKSVIKSERINGGKLLNSNKSGAAFNQSKSLTLPQTCNREKIYTCSECG  
 KAFGKQSI LSRHWRIHTGEKPYECRECGKTF SHGSSLTRHQI SHSGEKPYKCI ECGKAF SHGSSLTNHQ  
 SHTHTGEKPYECMNCGKSF SRVSLLIQH LRIHTQEKRYECRICGKAFIHSSSLIHHQK SHTGEKPYECRE  
 CGKAFCCSSHLTQHRIHSMKKKYECNKCLKVFSSFSFLVQHQSIIHTEEKPFVE  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPGYNPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001289186
<b>ORF Size:</b>	1197 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>RefSeq:</b>	<a href="#">NM_001289186.1</a> , <a href="#">NP_001276115.1</a>
<b>RefSeq Size:</b>	2586 bp
<b>RefSeq ORF:</b>	1200 bp
<b>Locus ID:</b>	55900
<b>UniProt ID:</b>	<a href="#">Q9NR11</a>
<b>Cytogenetics:</b>	19q13.11
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	45.9 kDa
<b>Gene Summary:</b>	This gene encodes a member of the zinc-finger protein family. The encoded protein contains seven C2H2-type zinc fingers and a KRAB domain, but its function has yet to be determined. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2014]