

## Product datasheet for **RG222349**

### **TNS4 (NM\_032865) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TNS4 (NM_032865) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TNS4
Synonyms:	CTEN; PP14434
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RG222349 representing NM\_032865  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCCAGGTGATGTCCAGCCACTGCTGGCAGGAGCCATGCTGTGAGCTTGGCGCCTTGTGATGAGC  
CCAGGAGACCCTGCACCCAGCACCCAGCCCCAGCCTGCCACCCAGTGTCTTACTACACCACGGAAGG  
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CAGGTGGAGGCCAAAGCCACCTGCTTCCCTGCCCTCCCCTGGTGAAGGCCTTGGGGACCCAGAGGACC  
TTGACTCTACATTGACTTCTCACTGGAGAGCCTCAATCAGATGATCCTGGAAGTGGACCCACCTTCCA  
GCTGCTTCCCCAGGGACTGGGGCTCCCAGGCTGAGCTGGCCAGAGCACCATGTCAATGAGAAAGAAG  
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CCCAGCACTGCTCCAGCCCTCTGTCAACCCGCCCTTCGGCTCCCTTCGAGTGGTGGCCTCTCTCTTTC  
CAGAGAGCTCCCCGAGAGACACGAAGCAGCAGTGAAGCCTCATCTTCTGGGAACCAGGGCAGGGGG  
CACCAGCGCCCTCTGCCCCCTCAGAGGGTCTCTCCCCTCGACCCCAAAATCCCCCAGCATCTCAATCC  
CTTGATGGGGAGCAAGGCCTCGAGCCCCATGGTTTGGGCTCCCCGCTGGTGGCTTCTCCAAGACTGGA  
GAAGCGGCTGGGAGGCTGGCCCCACAGCGGGCAGCAGGATCTCTGTGCTGTCAGCCAGCCAGTGTCT  
GATGTCAGCTATATGTTTGAAGCAGCCAGTCCCTCCTGCACTCCAGCAACTCCAGCCATCAGTCATCTT  
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TTGTGCTGATCAACGGCTGCCAGAACCGGTCTTCTCCACCCAGCGGACCCAGGACCCAGAACTC  
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GGTGCAGATGGGGCTCGGACTCTACAGACAGCCAGCCTCCTGCCAGAAGAAATCTGCGGGCTGCCACA  
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CACCTTTGAGAGGGACATCCTCCCCACGCCACCGTGGTCCACTTCAAAGTACAGAGCAGGGCATCACT  
CTGACTGATGTCCAGAGGAAGGTGTTTTTCCGGCGCCATTACCCACTCACCACCTCCGCTTCTGTGGTA  
TGGACCTGAGCAACGGAAGTGGCAGAAGTACTGCAAACCTCCTGGATCTTTGGGTTTGTGGCCAAAG  
CCAGACAGAGCCTCAGGAGAAGTATGCCACCTTTTGGGAGTATGACATGGTCCAGCCAGCCTCGCAG  
GTCATCGGCTGGTACTGCTCTGCTGCAGGACGCAGAAAGGATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222349 representing NM\_032865  
 Red=Cloning site Green=Tags(s)

```
MSQVMSSPLLAGGHAVSLAPCDEPRRTLHPAPSPSLPPQCSYYTTEGWGAQALMAPVPCMGGPPGRLQQAP
QVEAKATCFLPSPGEKALGTPEDLDSYIDFSLESLNQMILELDPFQLLPPTGGGSAELAQSTMSMRKK
EESEALDIKYIEVTSARSRCHDGPQHCCSSPSVTPPFGLRSGGLLLSRDVPRETRSSSESLIFSGNQGRG
HQRPLPPSEGLSPRPPNSPISIPCMGSKASSPHGLGSPLVASPRLEKRLGGLAPQRGSRISVLSASPVS
DVSYMFSSQSLHSSNSHQSSSRSLSPANSSSLHSLGSVSLCTRP SDFQAPRNPTLTMGQPRTPHS
PPLAKEHASSCPPSITNSMVDIPIVLINGCPEPGSSPPQRTPGHQNSVQGAASPNPCPATRSNSQTL S
DAPFTTCEPGPARDMQPTMKFVMDTSKYWFKPNITREQAIELLRKEEPGAFVIRDSSSYRGSFGLALKVQ
EVPASAQSRPGEDSNDLIRHFLIESSAKGVHLKGADEEYPFGSLSAFVCQHSIMALALPCKLTIPQREL G
GADGASDSTDSPASCQKKSAGCHTYLSSVSVETLTGALAVQKAISTTFERDILPTPTVVHFVKVTEQGIT
LTDVQRKVFRRHYPLTTLRF CGMDPEQRKWQKYCKPSWIFGFVAKSQTEPQENVCHLFAEYDMVQPASQ
VIGLVTALLQDAERM
```

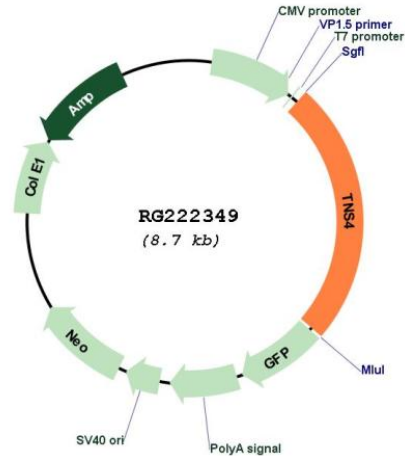
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_032865

**ORF Size:** 2145 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\\_032865.6](#)

**RefSeq Size:** 4090 bp

**RefSeq ORF:** 2148 bp

<b>Locus ID:</b>	84951
<b>UniProt ID:</b>	<a href="#">Q8IZW8</a>
<b>Cytogenetics:</b>	17q21.2
<b>Domains:</b>	SH2, PID
<b>Gene Summary:</b>	May be involved in cell migration, cartilage development and in linking signal transduction pathways to the cytoskeleton (By similarity). May promote apoptosis, via its cleavage by caspase-3.[UniProtKB/Swiss-Prot Function]