

## Product datasheet for **RG234089**

### TINAGL1 (NM\_001204414) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TINAGL1 (NM\_001204414) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TINAGL1  
**Synonyms:** ARG1; LCN7; LIECG3; TINAGRP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG234089 representing NM\_001204414  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGCGATGTCCACTGGGGCTACTGCTGTTGCTGCCGCTGGCTGGCCACTTGGCTCTGGGTGCCAGC  
 AGGGTCGTGGGCGCCGGGAGCTAGCACCCGGTCTGCACCTGCGGGGCATCCGGGACGCGGGAGGCCGGTA  
 CTGCCAGGAGCAGGACCTGTGCTGCCGCGCCGTGCCGACGACTGTGCCCTGCCCTACCTGGGCGCCATC  
 TGTTACTGTGACCTCTTCTGCAACCGCACGGTCTCCGACTGCTGCCCTGACTTCTGGGACTTCTGCCTCG  
 GCGTGCCACCCCTTTTCCCGCATCAAGGATGTATGCATGGAGGTCGTATCTATCCAGTCTTGGGAAC  
 GTACTGGGACAACGTAAACCGTTGCTGGCAGGCTGGGAACCACAGCGCCTTCTGGGGCATGACCCGGAT  
 GAGGGCATTTCGCTACCGCTGGGCACCATCCGCCCATCTTCTCGGTGATGAACATGCATGAAATTTATA  
 CAGTGCTGAACCCAGGGGAGGTGCTTCCACAGCCTTCGAGGCCTCTGAGAAGTGGCCAACTGATTCA  
 TGAGCCTCTTGACCAAGGCAACTGTGCAGGCTCCTGGGCTTCTCCACAGCAGCTGTGGCATCCGATCGT  
 GTCTCAATCCATTCTCTGGGACACATGACGCCTGTCTGTGCGCCAGAACCTGCTGTCTTGTGACACCC  
 ACCAGCAGCAGGGCTGCCGCGTGGGCGTCTCGATGGTGCCTGGTGGTTCCTGCGTCGCCGAGGGGTGGT  
 GTCTGACCACTGCTACCCCTTCTCGGGCGTGAACGAGACGAGGCTGGCCCTGCCCCCTGTATGATG  
 CACAGCCGAGCCATGGGTGGGGCAAGCGCCAGGCCACTGCCCACTGCCCAACAGCTATGTTAATAACA  
 ATGACATCTACCAGTCACTCCTGTCTACCGCTCGGCTCCAACGACAAGGAGATCATGAAGGAGCTGAT  
 GGAGAATGGCCCTGTCCAAGCCCTCATGGAGGTGCATGAGGACTTCTTCTATACAGGGAGGCATCTAC  
 AGCCACACGCCAGTGAGCCTTGGGAGGCCAGAGATACCGCGGCATGGGACCCACTCAGTCAAGATCA  
 CAGGATGGGGAGAGGAGACGCTGCCAGATGGAAGGACGCTCAAATACTGGACTGCGGCCAACTCCTGGG  
 CCCAGCCTGGGGCAGAGGGGCCACTTCCGCATCGTGCAGCGCTCAATGAGTGCACATCGAGAGCTTC  
 GTGCTGGGCGTCTGGGCGCGTGGGCATGGAGGACATGGGTATCAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG234089 representing NM\_001204414  
Red=Cloning site Green=Tags(s)

MWRCPLGLLLLLPLAGHLALGAQQGRGRRELAPGLHLRGIRDAGGRYCQEQLCCRGRADDCALPYLGAI  
 CYCDLFCNRTVSDCCPDFWDFCLGVPPFPPIQGCMHGGRIYPVLGTYWDCNRCWQAGNHSAFWGMTLD  
 EGIRYRLGTIRPSSSVMMHEIYTVLNPGEVLPATAFEASEKWPNIHEPLDQGCAGSWAFSTAAVASDR  
 VSIHSLGHMTPVLSPOQLLSCDTHQQQCRGGRLDGAWWFLRRRGVVSDHCYPFSGRERDEAGPAPPCMM  
 HSRAMGRGKRQATAHCPNSYVNNNDIYQVTPVYRLGSDNKEIMKELMENGFPVQALMEVHEDFFLYKGGIY  
 SHTPVSLGRPERYRRHGTHSVKITGWGEETLPDGRTLKYWTAANSWGPWGERGHFRIVRGVNECDIESF  
 VLGWVGRVGMEDMGHH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001204414

**ORF Size:** 1308 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\\_001204414.1](#), [NP\\_001191343.1](#)

**RefSeq Size:** 2159 bp

**RefSeq ORF:** 1311 bp

**Locus ID:** 64129

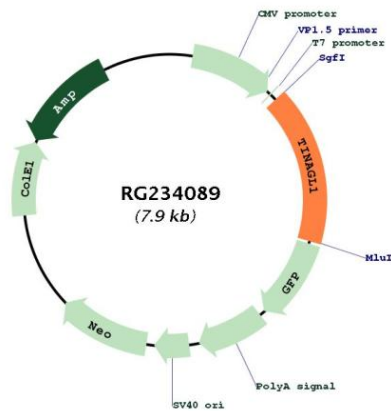
**UniProt ID:** [Q9GZM7](#)

**Cytogenetics:** 1p35.2

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**Gene Summary:** The protein encoded by this gene is similar in sequence to tubulointerstitial nephritis antigen, a secreted glycoprotein that is recognized by antibodies in some types of immune-related tubulointerstitial nephritis. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]

**Product images:**



Circular map for RG234089