

## Product datasheet for **RN213268**

### **Tinagl1 (NM\_053582) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tinagl1 (NM_053582) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tinagl1
Synonyms:	gis5; Lcn7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213268 representing NM\_053582  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGGATGTCCGCTAGGGCTGCTATTGCTGCTGCTGGCTGGCCAGGCTGCCCTGGAGGCCCGCGGA  
 GTCGTTGGCGCAGGGAGCTGGCGCCAGGGCTGCACCTGCGGGGCATCCGGGACGCCGGTGGCAGATACTG  
 CCAAGAGCAGGACATGTGCTGCCGCGCCGTGCTGACGAGTGTGCTTTGCCCTACCTGGGAGCCACCTGT  
 TACTGTGACCTCTTCTGCAACCGCACCTGCTCTGACTGCTGCCCTGACTTTTGGGACTTCTGCCTCGGGA  
 TTCCACCCCTTCCCTCTGTCCAAGTTGCATGCATGCGGGCCGGATCTACCCAATCTTCGGAACCTA  
 TTGGGAAAACGCAATCGGTGCACCTGCCATGAGAAAGGGCAGTGGGAATGTGACCAGGAGCCATGTCTA  
 GTGGACCCAGCCATGATTAAGCCATCAACCGGGCAACTACGGGTGGCAGGCTGGGAACCACAGTGCCT  
 TCTGGGCATGACCCTGGATGAGGGCATTGATACCGGCTGGGCACAATCCGCCATCTTCTCTGTGAT  
 GAATATGAATGAAATTTATACAGTGTGGGACAAGGAGAAGTGTACCCACTGCCTTTGAGGCTTCCGAG  
 AAGTGGCCCAACCTGATCCATGAGCCGCTGGACCAGGGCAACTGTGCGGGTTCTGGGCTTCTCCACAG  
 CAGCTGTGCGATCTGACCGAGTGTCCATCCATTCTTTGGGACACATGACACCCATCCTCTCACCCGAGAA  
 CCTGCTATCCTGTGATACCCACCACCAGAAGGGCTGCCGAGGTGGGCGTCTCGATGGTGTGGTGGTTC  
 CTGCGGCGCCGAGGGGTGGTGTCTGATAACTGTTACCCATTCTCCGGCCGTGAGCAGAACGACGAGGCCA  
 GCCCACTCCTCGATGCATGATGCACAGCCGCGCCATGGGGCGGGGAAGCGCCAGGCCACTTCTCGCTG  
 CCCAATAGTCAGGTTGATTCCAATGACATCTACCAGTACGCTGTCTACCGCTGGCCTCCGATGAG  
 AAGGAGATCATGAAGGAGCTAATGGAAAATGGCCCCGTTCAAGCGCTTATGGAAGTACACGAAGACTTCT  
 TCTTGTACCAGCGAGGCATCTACAGCCACACCTGTAAGCCAGGGGAGGCCAGAGCAGTACCGCCGACA  
 CGGGACTCACTCTGTCAAGATCACAGGGTGGGGAGAAGAGACACTGCCAGACGGAAGGACGATCAAGTAC  
 TGGACTGCTGCCAACTCGTGGGGCCATGGTGGGGTGGAGGGGCCACTTCCGAATCGTGGTGGCATCA  
 ACGAGTGTGACATCGAGACCTTCGTGCTGGGCGTCTGGGGCCGCTAGGAATGGAGGACATGGGGACCA  
 CTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_053582

**Insert Size:** 1404 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_053582.2](#), [NP\\_446034.1](#)

RefSeq Size: 1868 bp

RefSeq ORF: 1404 bp

Locus ID: 94174

UniProt ID: [Q9EQT5](#)

Cytogenetics: 5q36

**Gene Summary:** May be implicated in the adrenocortical zonation and in mechanisms for repressing the CYP11B1 gene expression in adrenocortical cells. This is a non catalytic peptidase C1 family protein (By similarity).[UniProtKB/Swiss-Prot Function]