

Product datasheet for **RR213268**

Tinagl1 (NM_053582) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR213268 representing NM_053582
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGGGATGTCCGCTAGGGCTGCTATTGCTGCTGCTGGCTGGCCAGGCTGCCCTGGAGGCCCGCGGA
 GTCGTTGGCGCAGGGAGCTGGCGCCAGGGCTGCACCTGCCGGGCATCCGGGACGCCGGTGGCAGATACTG
 CCAAGAGCAGGACATGTGCTGCCGCGCCGTGCTGACGAGTGTGCTTTGCCCTACCTGGGAGCCACCTGT
 TACTGTGACCTCTTCTGCAACCGCACCTCTCTGACTGCTGCCCTGACTTTTGGGACTTCTGCCTCGGGA
 TTCCACCCCTTCCCTCTGTCCAAGTTGCATGCATGCGGGCCGGATCTACCAATCTTCGGAACCTA
 TTGGGAAAACGCAATCGGTGCACCTGCCATGAGAAAGGGCAGTGGGAATGTGACCAGGAGCCATGTCTA
 GTGGACCCAGCCATGATTAAGCCATCAACCGGGCAACTACGGGTGGCAGGCTGGGAACCACAGTGCCT
 TCTGGGCATGACCTGGATGAGGGCATTCGATACCGGTGGGCACAATCCGCCATCTTCTCTGTGCAT
 GAATATGAATGAAATTTATACAGTGTGGGACAAGGAGAAGTGTACCCACTGCCTTTGAGGCTTCCGAG
 AAGTGGCCCAACCTGATCCATGAGCCGCTGGACCAGGGCAACTGTGCGGGTTCTGGGCTTCTCCACAG
 CAGCTGTGCGATCTGACCGAGTGTCCATCCATTCTTTGGGACACATGACACCCATCCTCTCACCCGAGAA
 CCTGCTATCCTGTGATACCCACCACCAGAAGGGCTGCCGAGGTGGGCGTCTCGATGGTGTGGTGGTTC
 CTGCGGCGCCGAGGGGTGGTGTCTGATAACTGTTACCCATTCTCCGGCCGTGAGCAGAACGACGAGGCCA
 GCCCACTCCTCGATGCATGATGCACAGCCGCGCCATGGGGCGGGCAAGCGCCAGGCCACTTCTCGCTG
 CCCCAATAGTCAGTTGATTCCAATGACATCTACCAGTACGCTGTCTACCGCTGGCCTCCGATGAG
 AAGGAGATCATGAAGGAGCTAATGGAAAATGGCCCCGTTCAAGCGCTTATGGAAGTACACGAAGACTTCT
 TCTTGTACCAGCGAGGCATCTACAGCCACACCTGTAAAGCCAGGGGAGGCCAGAGCAGTACCCGACAC
 CGGGACTCACTCTGTCAAGATCACAGGGTGGGGAGAAGAGACACTGCCAGACGGAAGGACGATCAAGTAC
 TGGACTGCTGCCAACTCGTGGGGCCATGGTGGGGTGGAGGGGCCACTTCCGAATCGTGGTGGCATCA
 ACGAGTGTGACATCGAGACCTTCGTGCTGGGCGTCTGGGGCCGCTAGGAATGGAGGACATGGGGACCA
 C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213268 representing NM_053582
 Red=Cloning site Green=Tags(s)

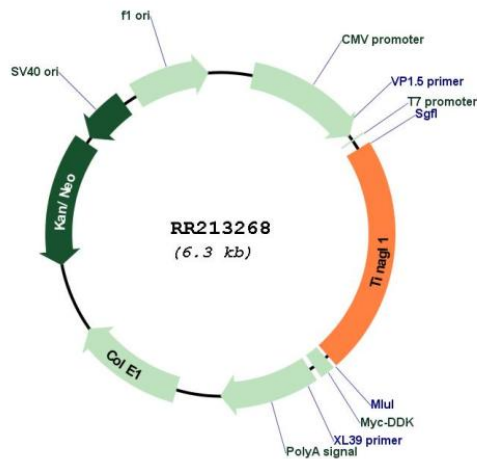
MWGCPLGLLLLLAGQAALARRSRWRRELAPGLHLRGIIRDAGGRYQEQDMCCRGRADECALPYLGATC
 YCDLFCNRTVSDCCPDFWDFCLGIPPPFPVQGMHAGRIYPIFGTYWENCNRCTCHEKQWECDEPCL
 VDPAMIKAINRGNYGWQAGNHSFAFWGMLDEGIRYRLGTIRPSSVMMNEIYTVLGQEVLPFAFEASE
 KWPNLIEHEPLDQNCAGSWAFSTAAVASDRVSIHSLGHMTPILSPQNLLSCDTHHQKGCRRGLDGAWWF
 LRRRGVSDNCPYFSGREQNDEASPTPRCMMHSRAMGRGKRQATSRCPNSQVDSNDIYQVTPVYRLASDE
 KEIMKELMENGVPQALMEVHEDFFLYQRGIYSHTPVSQGRPEQYRRHGTHSVKITGWGEETLPDGRTIKY
 WTAAANSWGPWWGERGHFRIVRGINECDIETFVLGVWGRVGMEDMGHH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_053582

ORF Size:

1401 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_053582.2](#), [NP_446034.1](#)

RefSeq Size: 1868 bp

RefSeq ORF: 1404 bp

Locus ID: 94174

UniProt ID: [Q9EQT5](#)

Cytogenetics: 5q36

MW: 52.8 kDa

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]