

Product datasheet for **MR219690**

Tinagl1 (NM_001168333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tinagl1 (NM_001168333) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tinagl1
Synonyms:	1110021J17Rik; Arg1; AZ-1; AZ1; Lcn7; TARP; Tinagl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219690 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGGATGTTGGCTGGGGCTGCTCTTGTCTGCTGGCTGGCCAGGCTGCCCTGGAGGCCCGCGGA
 GTCGTTGGCGCAGGGAGCTGGCGCCAGGGCTGCACCTGCGGGGCATCCGGGACGCCGGTGGCAGATACTG
 CCAAGAGCAGGACATGTGCTGTCGAGGCCGTGCTGACGAGTGTGCCCTGCCCTACCTGGGAGCCACCTGT
 TACTGTGACCTCTTCTGCAACCGCACCTCTCTGACTGCTGCCCGACTTCTGGGACTTCTGCCTCGGGA
 TTCCACCCCTTCCCTCCCGTCCAAGGGTGCATGCATGGGGGCCGATCTACCCAGTCTTCGGAACCTA
 CTGGGACAACGCAATCGATGCACCTGCCATGAGGGAGGGCATTGGGAGTGCACCAGGAGCCGTGTCTA
 GTGGACCCAGACATGATTAAGCCATCAACCGAGGCAACTACGGGTGGCAGGCTGGGAACCACAGTGCCT
 TCTGGGGCATGACCCTGGATGAGGGCATTCGCTACCGCTGGGCACAATCCGCCATCCTCCACTGTCAT
 GAATATGAATGAGATTTATACGGTGTGGGCCAAGGGGAAGTGTACCCACTGCCTTTGAAGCTTCAGAG
 AAGTGGCCCAACCTGATCCACGACCCATTGGACCAGGGCAATTGTGCAGGTTCTGGGCTTCTCCACAG
 CAGCTGTCGCATCTGATCGCGTCTCTATCCATTCTTTGGACACATGACACCCATCCTATCACCCGAAAA
 CCTGCTGTCTGTGATACCCACCACCAGCAGGGCTGCCGAGGTGGGCGTCTTGATGGCGCTTGGTGGTTC
 CTGCGGCGCCGCGGGGTGGTGTCTGACAACCTGTTACCCATTCTCCGGCCGTGAGCAGAACGAGGCCAGCC
 CCACTCCTCGTTGATGATGCACAGCCGCGCCATGGGGCGGGCAAGCGCCAAGCCACTTCCCGTGCC
 CAATGGTCAGGTTGATCCAACGACATCTACCAGTACGCTGCCTACCGCTGGGCTCTGATGAGAAG
 GAGATCATGAAGGAGCTAATGGAAAACGGCCCTGTTCAAGCACTCATGGAAGTACACGAGGACTTCTTCT
 TGTACCAGCGTGGCATCTACAGCCACACACTGTAAAGCCAGGGGAGGCCGAGCAGTACCGCAGACATGG
 GACTCACTCAGTCAAGATCACTGGGTGGGGAGAAGAGACGCTGCCAGACGGAAGGACCATTAAGTACTGG
 ACTGCTGCCAACTCGTGGGGCCATGGTGGGTGAGAGGGGCCACTTCCGGATCGTGCCTGGCACCAACG
 AGTGCACATCGAGACCTTCGTGCTGGGCGTCTGGGTGCGGTGGGAATGGAGGACATGGGGCACCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219690 protein sequence
 Red=Cloning site Green=Tags(s)

MWGCWLGLLLLLLAGQAAL EARRSRWRRELAPGLHLRGIRDAGGRYCQE QDMCCRGRADECALPYLGATC
 YCDLFCNRTVSDCCPDFWDFCLGIPPPFPVQGCMHGGRIYPVFETYWDNCNRCTCHEGGHWECDQEPCL
 VDPDMIKAINRGNYGWQAGNHSFAFWGMTLDEGIRYRLGTRPSSTVMNMNEIYTVL GQGEVLP TAFEASE
 KWPNL IHEPLDQGN CAGSWAFSTAAVASDRVSIHSLGHMTPILSPQNL LSCDTHHQGCRGRLDGAWWF
 LRRRGVVDNCPYFSGREQNEASPTPRCMMHSRAMGRGKRQATSRCPNGQVDSNDIYQVTPAYRLGSEK
 EIMKELMENGVPVQALMEVHEDFFLYQRGIYSHTPVSQGRPEQYRRHGTHSVKITGWGEETLPDGRTIKYW
 TAANSWGPWWGERGHFRIVRGTNECDIETFVLGVWGRVGMEDMGHH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001168333

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_001168333.1](#), [NP_001161805.1](#)

RefSeq Size: 1954 bp

RefSeq ORF: 1401 bp

Locus ID: 94242

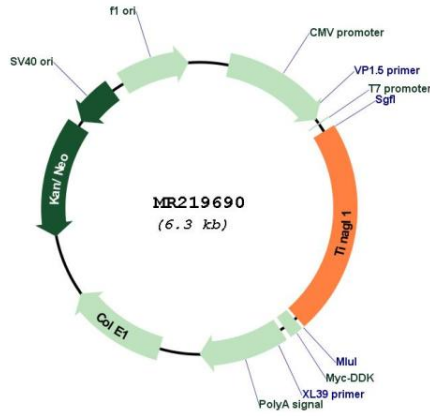
UniProt ID: [Q99JR5](#)

Cytogenetics: 4 D2.2

MW: 52.7 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219690