

## Product datasheet for **MG207457**

### **Tinagl (BC005738) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tinagl (BC005738) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tinagl
Synonyms:	1110021J17Rik; Arg1; AZ-1; AZ1; Lcn7; TARP; Tinagl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG207457 representing BC005738  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGGATGTTGGCTGGGGCTGCTCTTGTCTGCTGGCTGGCCAGGCTGCCCTGGAGGCCCGCGGA  
 GTCGTTGGCGCAGGGAGCTGGCGCCAGGGCTGCACCTGCCGGGCATCCGGGACGCCGGTGGCAGATACTG  
 CCAAGAGCAGGACATGTGCTGTCGCGGCCGAGCTGACGAGTGTGCCCTGCCCTACCTGGGAGCCACCTGT  
 TACTGTGACCTCTTCTGCAACCGCACCTCTCTGACTGCTGCCCGACTTCTGGGACTTCTGCCTCGGGA  
 TTCCACCCCTTCCCTCCCGTCCAAGGGTGCATGCATGGGGGCCGATCTACCCAGTCTTCGGAACCTA  
 CTGGGACAACGCAATCGATGCACCTGCCATGAGGGAGGGCATTGGGAGTGCACCAGGAGCCGTGTCTA  
 GTGGACCCAGACATGATTAAGCCATCAACCGAGGCAACTATGGGTGGCAGGCTGGGAACCACAGTGCCT  
 TCTGGGGCATGACCCTGGATGAGGGCATTTCGCTACCGCTGGGCACAATCCGCCATCCTCCACTGTCAT  
 GAATATGAATGAGATTTATACGGTGTGGGCCAAGGGGAAGTGTACCCACTGCCTTTGAAGCTTCAGAG  
 AAGTGGCCCAACCTGATCCACGACCCATTGGACCAGGGCAATTGTGCAGGTTCTGGGCTTCTCCACAG  
 CAGCTGTCGCATCTGATCGCGTCTCTATCCATTCTTTGGACACATGACACCCATCCTATCACCCGAGAA  
 CCTGCTGTCTGTGATACCCACCACCAGCAGGGCTGCCGAGGTGGGCGTCTTGATGGCGCTTGGTGGTTC  
 CTGCGGCGCCGCGGGGTAGTGTCTGACAACCTGTTACCCATTCTCCGGCCGTGAGCAGAACGAGGCCAGCC  
 CCACTCCTCGTTGATGATGCACAGCCGCGCCATGGGGCGGGCAAGCGCCAAGCCACTTCCCGTGCC  
 CAATGGTCAGGTTGATCCAACGACATCTACCAGTACGCTGCCTACCGCTGGGCTCTGATGAGAAG  
 GAGATCATGAAGGAGCTAATGAAAACGGCCCTGTTCAAGCACTCATGGAAGTACACGAGGACTTCTTCT  
 TGTACCAGCGTGGCATCTACAGCCACACCTGTAAGCCAGGGGAGGCCGGAGCAGTACCGCAGACATGG  
 GACTCACTCAGTCAAGATCACTGGGTGGGAGAAGAGACGCTGCCAGACGGAAGGACCATCAAGTACTGG  
 ACTGCTGCCAACTCGTGGGGCCATGGTGGGTGAGAGGGGCCACTTCCGGATCGTGCCTGGCACCAACG  
 AGTGCACATCGAGACCTTCGTGCTGGGCGTCTGGGGTGCCTGGGAATGGAGGACATGGGGCACCCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207457 representing BC005738  
 Red=Cloning site Green=Tags(s)

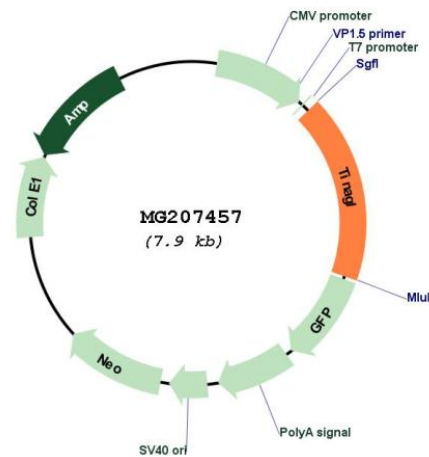
MWGCWLGLLLLLAGQAALARRSRWRRELAPGLHLRGIIRDAGGRYCQEQDMCCRGRADECALPYLGATC  
 YCDLFCNRTVSDCCPDFWDFCLGIPPPFPVQGMHGGRIYPVFGTYWDCNRCTCHEGGHWECDQEPCL  
 VDPDMIKAINRNGYQAGNHSFAFWGMLDEGIRYRLGTIRPSSVMMNNEYTVLGGQEVLPFAFEASE  
 KWPNLIIHEPLDQNCAGSWAFSTAAVASDRVSIHSLGHMTPILSPQNLLSCDTHHQGCRGGRDLGAWWF  
 LRRRGVSDNCYPFSGREQNEASPTPRCMMHSRAMGRGKRQATSRCPNGQVDSNDIYQVTPAYRLGSDEK  
 EIMKELMENGVPVQALMEVHEDFFLYQRGIYSHTPVSQGRPEQYRRHGTHSVKITGWGEETLPDGRTIKYW  
 TAANSWGPWWGERGHFRIVRGTNECDIETFVLGVWGRVGMEDMGHH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** BC005738

**ORF Size:** 1400 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC005738</a></u> , <u><a href="#">AAH05738</a></u>
<b>RefSeq Size:</b>	1967 bp
<b>RefSeq ORF:</b>	1400 bp
<b>Locus ID:</b>	94242
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	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]