

## Product datasheet for **MG225540**

### Thap11 (NM\_021513) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thap11 (NM_021513) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thap11
Synonyms:	2810036E22Rik; AB041579; CTG-B43a; CTG-B45d; Ronin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225540 representing NM_021513 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTGGCTTTACGTGCTGCGTTCGGGCTGCTACAACAATTCACACCGGGACAAGGGCTGCACTTCT  
ACACGTTTCCAAGGACGCTGAGTTGCGGCGCCTCTGGCTCAAGAACGTGTCCCCTGCTGGCGTCAGTGG  
GTGCTTCCACCTTCCAACCCACCACCGGCCACCGTCTCTGCAGCGTCCACTTTCAGGGCGGCCGCAAG  
ACCTACACGGTGCGCGTTCACCATTTTCCCCTGCGTGGCGTCAATGAGCGCAAAGTAGCTCGGAGAC  
CTGCGGGAGCTGCGGCAGCCCGGTAGGCAGCAGCAGCAACAACAACAGCAGCAGCAGCAACAGCA  
GCAGCTGCAACAGCAGCAGCCGTCTCCGTCTCCTCCACTGCCAGACCACCCAGTTGCAGCCGAACCTG  
GTGCTGCCTCTGCAGCTGTGCTTCTTACGCTTACGGCCGCCGTAGACAGCAACCAGGCTCCGGGATCCG  
TGGTTCCTGCTCCACGACTCCCTCGGGAGATGATGTGAAGCCATCGACCTCACAGTGCAAGTCGAGTT  
TGCAGCTGCTGAAGGGGACGCCCGCTGCCGCCCTCAGAGCTAGAGGCTGCTACGGCTGGGCTGGAG  
GCCGCTGAGTGCCTCTGGGCCCTCAGCTGGTGGTGGTAGGGGAAGAGGGCTTCCCTGACACTGGCTCTG  
ACCACTCGTACTCCTTGTCTCGGGTACCACGGAGGAGGACTCCTGCGCAAGCTGAACGAGCAGCGGGA  
CATCTTGGCCCTGATGGAAGTGAAGATGAAGGAGATGAAGGTTAGCATCCGCCATCTGCGTCTCACCGAG  
GCCAAGCTCCGTGAAGAACTTCGAGAGAAGGATCGTCTGCTTGCCATGGCTGTATCCGTAAGAAGCAGC  
GCATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225540 representing NM\_021513  
 Red=Cloning site Green=Tags(s)

MPGFTCCVPGCYNNSHRDKALHFYTFPKDAELRRLWLKNVSRAGVSGCFSTFQPTTGHRLCSVHFQGGRK  
 TYTVRVPTIFPLRGVNERKVARRPAGAAAARRRQQQQQQQQQQQQQLQQQPSPSSSTAQTTLQPNL  
 VSASAAVLLTLQAAVDSNQAPGSVVPVSTTPSGDDVKPIDLTVQVEFAAAEGAAAAAASELEAATAGLE  
 AAECTLGPQLVVVGEEGFPDTGSDHSYLSSTGTEEELLRKLNEQRDILALMEVKMKEMKGSIRHLRLTE  
 AKLREELREKDRLLAMAVIRKKHGM

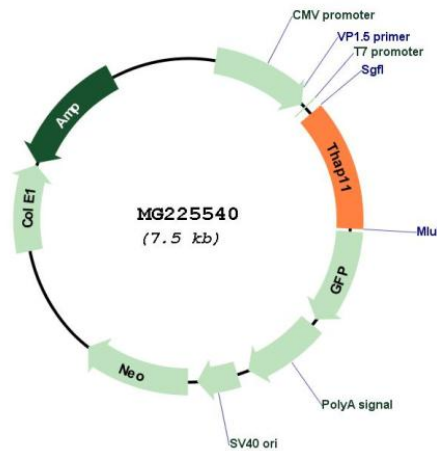
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_021513

ORF Size: 915 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_021513.2</a> , <a href="#">NP_067488.1</a>
<b>RefSeq Size:</b>	1848 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	59016
<b>UniProt ID:</b>	<a href="#">Q9JJD0</a>
<b>Cytogenetics:</b>	8 D3
<b>Gene Summary:</b>	Transcriptional repressor that plays a central role for embryogenesis and the pluripotency of embryonic stem (ES) cells. Sequence-specific DNA-binding factor that represses gene expression in pluripotent ES cells by directly binding to key genetic loci and recruiting epigenetic modifiers.[UniProtKB/Swiss-Prot Function]