

Product datasheet for **MR225540**

Thap11 (NM_021513) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thap11 (NM_021513) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thap11
Synonyms:	2810036E22Rik; AB041579; CTG-B43a; CTG-B45d; Ronin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225540 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGGCTTTACGTGCTGCGTTCGGGCTGCTACAACAATTCACACCGGGACAAGGGCTGCACTTCT
ACACGTTTCCAAGGACGCTGAGTTGCGGCGCCTCTGGCTCAAGAACGTGTCCCCTGCTGGCGTCAGTGG
GTGCTTCTCCACCTTCCAACCCACCACCGGCCACCGTCTCTGCAGCGTCCACTTTCAGGGCGGCCGCAAG
ACCTACACGGTGCGCGTCCCACCATTTCCCGCTGCGTGGCGTCAATGAGCGCAAAGTAGCTCGGAGAC
CTGCGGGAGCTGCGGCAGCCCGCTAGGCAGCAGCAGCAACAACAACAGCAGCAGCAGCAACAGCA
GCAGCTGCAACAGCAGCAGCCGTCTCCGTCTCCTCCACTGCCAGACCACCCAGTTGCAGCCGAACCTG
GTGCTGCCTCTGCAGCTGTGCTTCTTACGCTTACGGCCGCCGTAGACAGCAACCAGGCTCCGGGATCCG
TGGTTCCTCGTGTCCACGACTCCCTCGGGAGATGATGTGAAGCCATCGACCTCACAGTGCAAGTCGAGTT
TGCAGCTGCTGAAGGGGACGCGCCGCTGCCGCCCTCAGAGCTAGAGGCTGCTACGGCTGGGCTGGAG
GCCGCTGAGTGCCTCTGGGCCCTCAGCTGGTGGTGGTAGGGGAAGAGGGCTTCCCTGACACTGGCTCTG
ACCACTCGTACTCCTTGTCTCGGTACCACGGAGGAGGACTCCTGCGCAAGCTGAACGAGCAGCGGGA
CATCTTGGCCCTGATGGAAGTGAAGATGAAGGAGATGAAGGGTAGCATCCGCCATCTGCGTCTCACCGAG
GCCAAGCTCCGTGAAGAACTTCGAGAGAAGGATCGTCTGCTTGCCATGGCTGTATCCGTAAGAAGCAGC
GCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225540 protein sequence
Red=Cloning site Green=Tags(s)

MPGFTCCVPGCYNNSHRDKALHFYTFPKDAELRRLWLKNVSRAGVSGCFSTFQPTTGHRLCSVHFQGGRK
 TYTVRVPTIFPLRGVNERKVARRPAGAAAAARRRQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ
 VSASAAVLLTLQAAVDSNQAPGSVVPVSTTPSGDDVKPIDLTVQVEFAAAEGAAAAAASELEAATAGLE
 AAECTLGPQLVVVGEEGFPDTGSDHSYLSSSGTTEEELLRKLEQRDILALMEVKMKEMKGSIRHLRLTE
 AKLREELREKDRLLAMAVIRKKHGM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_021513

ORF Size: 918 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_021513.2](#), [NP_067488.1](#)

RefSeq Size: 1848 bp

RefSeq ORF: 918 bp

Locus ID: 59016

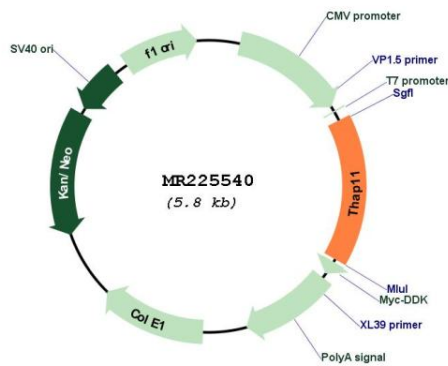
UniProt ID: [Q9JJD0](#)

Cytogenetics: 8 D3

MW: 33.3 kDa

Gene Summary: 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]

Product images:



Circular map for MR225540