

Product datasheet for MR204366

Thap7 (NM_026909) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thap7 (NM_026909) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thap7
Synonyms:	1810004B07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204366 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCGACACTGCTCCGCCCGCGCTGCTGCACACGGGATACGCGGAGACTCGCAACCCGGGCATCT
CCTTCCACAGACTTCCCAAGAAAGACAACCCAGGCGCGGCTTGTGGCTGGCCAACTGTCAGCGGCTGGA
CCCCAGCGGCCAGGGCCTGTGGGATCCGACCTCTGAGTACATCTACTTCTGCTCCAAACACTTCGAGGAA
AACTGCTTTGAGCTGGTGGGAATCAGTGGGTATCACAGGCTGAAGGAGGGGCGAGTCCCCACCATATTTG
AGTCTTTCTCCAAGTTGCGTCGAACAGCCAAGACCAAGGGGCATGTTATCCACCTGGCCTGCCTGACGT
CAGCCGGCTCCGGCGATGCAGGAAGCGCTGCTCCGAAAGACAAGGACCCACAACCTCCCTTTCTCCACCT
CCTCGTGCCGATATCATCTGCTTCCCTGTGGAAGAAGCCTCAGCACCTGCCACTCTGCCCGCATCCCCAG
CTGTGAGGCTGGACCCTGGCCTTAACAGCCCTTCTCAGATCTCCTGGGCCCTTAGGTGCTCAGGCGGA
TGAAGCGGGCTGTAGCACACAGCCCTCACCAGAGCAGCACCCCTCCCCTTTGAGCCACAGCCTGCCTCC
CCATCTGCATACATGTTACGGCTGCCACCTCCTGCTGGAGCCTACATCCAGAATGAGCACAGCTACCAAG
TGGGGAGCGCCTTGCTCTGGAAGAGGCGAGCTGAAGCAGCTCTTGATGCTCTGGACAAGACCCAGCGCCA
GCTGCAGGCTGCAAGCGCGGGAGCAGCGGCTTAGGCTGCGACTGACCAAGCTGCAGCAGGAACGGGCA
CGGGAGAAGCGAGCACAGGCAGATGCCCGCCAGACTCTGAAGACCATGTACAGGACTTTGCTATGCAGT
TGAGCAGCAGTATGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204366 protein sequence
Red=Cloning site Green=Tags(s)

MPRHCSAAGCCTRDTRNTRNGISFHRLPKKDNPRRGLWLANCQRLDPSGQGLWDPTSEYIYFCSKHFEENCFELVGISGYHRLKEGAVPTIFESFSLKLRRTAKTKGHGYPPGLPDVSRLLRRCRKRCSERQGPPTPFSP
 PRADIIICFPVEEASAPATLPASPAVRLDPGLNSPFDLLGPLGAQADEAGCSTQPSPEQHPSPLEPQPAS
 PSAYMLRLPPPAGAYIQNEHSYQVGSALLWKRRAEAALDALDKTQRQLQACKRREQRLRLRLTKLQQUERA
 REKRAQADARQTLKDHVQDFAMQLSSSMA

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_026909

ORF Size: 930 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_026909.2](#), [NP_081185.1](#)

RefSeq Size: 1164 bp

RefSeq ORF: 930 bp

Locus ID: 69009

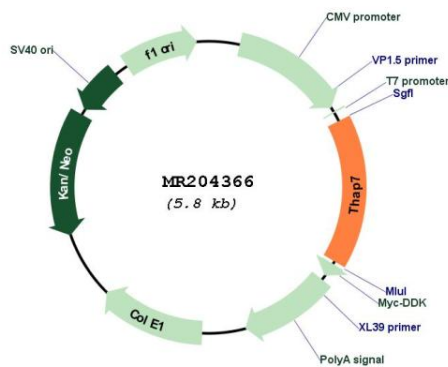
UniProt ID: [Q8VCZ3](#)

Cytogenetics: 16

MW: 34.6 kDa

Gene Summary: Chromatin-associated, histone tail-binding protein that represses transcription via recruitment of HDAC3 and nuclear hormone receptor corepressors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204366