

Product datasheet for **RG214245**

THAP7 (NM_030573) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THAP7 (NM_030573) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	THAP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214245 representing NM_030573 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCGTCACTGCTCCGCCGCCGGCTGCTGCACACGGGACACGCGGAGACGCGCAACCGCGGCATCT
CCTTCCACAGACTTCCCAAGAAGGACAACCCGAGGCGAGGCTTGTGGCTGGCCAACTGCCAGCGGCTGGA
CCCCAGCGGCCAGGGCCTGTGGGACCCGGCATCCGAGTACATCTACTTCTGCTCCAAACACTTTGAGGAG
GACTGCTTTGAGCTGGTGGGAATCAGTGGATATCACAGGCTAAAGGAGGGGGCAGTCCCCACCATATTTG
AGTCTTTCTCAAGTTGCGCCGGACAACCAAGACAAAGGACACAGTTACCCACCTGGCCCCCTGAAGT
CAGCCGGCTCAGACGATGCAGGAAGCGCTGCTCCGAGGGCCGAGGGCCCACTCCATTTCTCCACCT
CCACCTGCTGATGTACCTGCTTTCCTGTGGAAGAGGCCTCAGCACCTGCCACTTTGCCGGCCTCCCCAG
CTGGGAGGCTGGAGCCTGGCCTTAGCAGCCCTTTTCAGACCTACTGGGCCCTTGGGTGCCAGGCAGA
TGAAGCAGGCTGCAGCGCCAGCCTTACCAGAGCGGCAGCCCTCCCCTCTCGAACCACGGCCAGTCTCC
CCCTCAGCGTATATGCTGCGCCTGCCCCACCCGCGGAGCCTACATCCAGAATGAACACAGTACCAGG
TGGGCAGCGCCTTACTCTGGAAGCGGCGAGCCGAGGCAGCCCTTGATGCCCTTGACAAGGCCAGCGCCA
GCTGCAGGCTGCAAGCGCGGGAGCAGCGGCTGCGGTTGAGACTGACCAAGCTGCAGCAGGAGCGGGCA
CGGGAGAAGCGGGCACAGGCAGATGCCCGCCAGACTCTGAAGGAGCATGTGCAGGACTTTGCCATGCAG
TGAGCAGCAGCATGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG214245 representing NM_030573
 Red=Cloning site Green=Tags(s)

MPRHCSAAGCCTRDTRRETRNRGISFHRLPKKDNPRRGLWLANCQRLDPSGQGLWDPASEYIYFCSKHFEEDCFELVGISGYHRLKEGAVPTIFESFSKLRRTTKKGHSYPPGPPEVSRLRRCRKRCSSEGRGPTTFFSPPADVTCFPVEEASAPATLPASPAGRLPGLSSPFDLLGPLGAQADEAGCSAQPSPERQPSPLEPRPVSPSAYMLRRLPPPAGAYIQNEHSYQVGSALLWKRRAEAALDALDKAQRQLQACKRREQLRLRLTKLQQERAREKRAQADARQTLKEHVQDFAMQLSSSMA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030573

ORF Size: 927 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_030573.1](#)

RefSeq Size: 1271 bp

RefSeq ORF: 930 bp

Locus ID: 80764

UniProt ID: [Q9BT49](#)

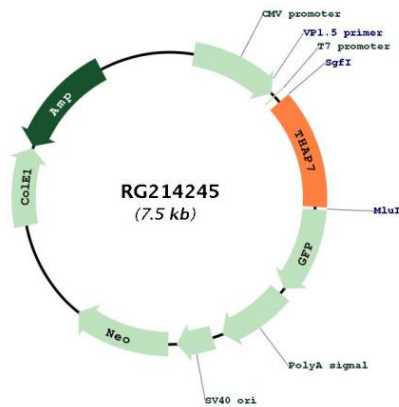
Cytogenetics: 22q11.21

Domains: DM3

Protein Families: Transcription Factors

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 RG214245