

## Product datasheet for **RG214302**

### THAP7 (NM\_001008695) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	THAP7 (NM_001008695) 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:	>RG214302 representing NM_001008695 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGCGTCACTGCTCCGCCGCCGGCTGCTGCACACGGGACACGCGGAGACGCGCAACCGCGGCATCT  
CCTTCCACAGACTTCCCAAGAAGGACAACCCGAGGCGAGGCTTGTGGCTGGCCAACTGCCAGCGGCTGGA  
CCCCAGCGGCCAGGGCCTGTGGGACCCGGCATCCGAGTACATCTACTTCTGCTCCAAACACTTTGAGGAG  
GACTGCTTTGAGCTGGTGGGAATCAGTGGATATCACAGGCTAAAGGAGGGGGCAGTCCCCACCATATTTG  
AGTCTTTCTCAAGTTGCGCCGGACAACCAAGACCAAGGACACAGTTACCCACCTGGCCCCGCTGAAGT  
CAGCCGGCTCAGACGATGCAGGAAGCGCTGCTCCGAGGGCCGAGGGCCCACTCCATTTCTCCACCT  
CCACCTGCTGATGTACCTGCTTTCCTGTGGAAGAGGCCCTCAGCACCTGCCACTTTGCCGGCCTCCCCAG  
CTGGGAGGCTGGAGCCTGGCCTTAGCAGCCCTTTTCCAGACCTACTGGGCCCTTGGGTGCCAGGCAGA  
TGAAGCAGGCTGCAGCGCCAGCCTTACCAGAGCGGCAGCCCTCCCCTCTCGAACCACGGCCAGTCTCC  
CCCTCAGCGTATATGCTGCGCCTGCCCCACCCGCGGAGCCTACATCCAGAATGAACACAGTACCAGG  
TGGGCAGCGCCTTACTCTGGAAGCGGCGAGCCGAGGCAGCCCTTGATGCCCTTGACAAGGCCAGCGCCA  
GCTGCAGGCTGCAAGCGGGGAGCAGCGGCTGCGGTTGAGACTGACCAAGCTGCAGCAGGAGCGGGCA  
CGGGAGAAGCGGGCACAGGCAGATGCCCGCCAGACTCTGAAGGAGCATGTGCAGGACTTTGCCATGCAG  
TGAGCAGCAGCATGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG214302 representing NM\_001008695  
Red=Cloning site Green=Tags(s)

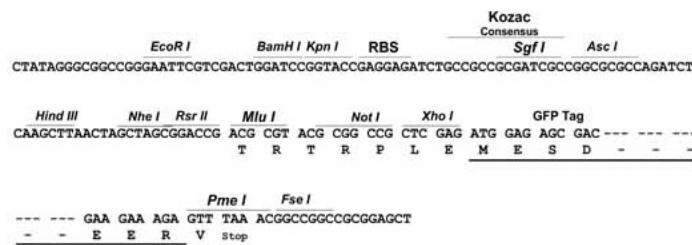
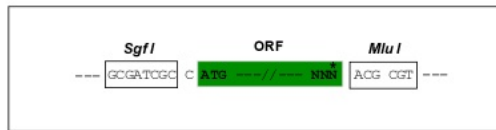
MPRHCSAAGCCTRDTRRETRNRGISFHRLPKKDNPRRLWLANCQRLDPSGQGLWDPASEYIYFCSKHFEEDCFELVGISGYHRLKEGAVPTIFESFSKLRRTTKKGHSYPPGPAEVSRLRRCRKRRCSEGRGPTTFFSPPPADVTCFPVEEASAPATLPASPAGRLPEGLSSPFSDLLGPLGAQADEAGCSAQPSPERQPSPLEPRPVSPSAYMLRLLPPPAGAYIQNEHSYQVGSALLWKRRAEAALDALDKAQRQLQACKRREQLRLRLTKLQQERAREKRAQADARQTLKEHVQDFAMQLSSSMA

TRTRPLE - GFP Tag - V

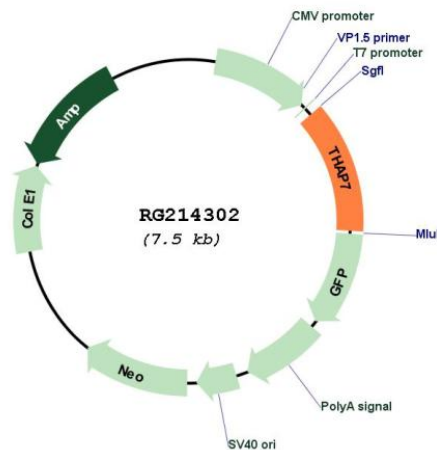
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001008695

**ORF Size:** 927 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_001008695.1</a> , <a href="#">NP_001008695.1</a>
<b>RefSeq Size:</b>	1097 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	80764
<b>UniProt ID:</b>	<a href="#">Q9BT49</a>
<b>Cytogenetics:</b>	22q11.21
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	Chromatin-associated, histone tail-binding protein that represses transcription via recruitment of HDAC3 and nuclear hormone receptor corepressors.[UniProtKB/Swiss-Prot Function]