

Product datasheet for **RC222338**

THAP9 (NM_024672) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THAP9 (NM_024672) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	THAP9
Synonyms:	hTh9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC222338 representing NM_024672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCGAAGTTGCTCCGCAGTGGGCTGCAGCACCCGTGACACCGTGCTCAGCCGGGAGCGCGCCTCT
 CCTTCCCAATTTCCAAGTATACCATACAGCGCTCAAATGGATCAGGGCTGTTAATCGTGTGGACCC
 CAGAAGCAAAAAGATTTGGATTCAGGACCAGGTGCTATACTGTGTTCCAAAATTTTCAAGAAAGTGAC
 TTTGAGTCATATGGCATAAGAAGAAAGCTGAAAAAAGGAGCTGTGCCTTCTGTTTCTCTATAACAAGATTC
 CTCAAGGTGTACATCTTAAAGGTAAAGCAAGACAAAAATCCTAAAAAACCTCTCCAGACAATTTCTCA
 AGAAGTTGCTACTGAGGACCATAACTATAGTTTAAAGACACCTTTGACGATAGGTGCAGAGAAACTGGCT
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 GCTACGAGCTCAATTTTCAGATTTTAAAGTGGGAGTTATATAATTGGAGAGAAACAGATGAGTACTCCGCA
 GAAATGAAACAATTTGCATGTACTCTACTTGTGCAAGTACAAAGTCTATGATTATGTAAGAAAGATTC
 TTAAGCTGCCTCATTCTCCATCCTCAGAACGTGGTTATCCAAATGCCAACCCAGTCCAGGTTTCAACAG
 CAACATTTTTCTTTCTTCAACGAAGAGTAGAGAATGGAGATCAGCTCTATCAACTGTTCATTGTTA
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 GCTCAGCTGCTTCGTCTGACTATTGGTAACTGAGTGACATAGGAATCACAGTTCTGGCTGTTACATCTG
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 TTTGAAAATCATGTAAGTGAAGTGAAGTGGCCACCACTCTTATGAGAGTGTAGCCAGTGCATTA
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 TTAACAATCTGTTGACATCTTAAATAGTAGGAAGTGTATGGAAAGGGACTTAAAGGGCCTCTGTTGCC
 TGAACCTTACAGTAAAAAACCACGTGTTAATTGAAGCCAAGACTATTTTTGTTACATTATCTGACACT
 AGCAATAATCAAATAATTAAGGTAAGCAAAACTAGGATTCCTGGGATTTTGTCTCAATGCTGAGAGCT
 TAAAATGGCTCTACCAAATATGTTTTCCCAAAGGTCATGCCTTTTCTTATCTCTGACTTACAAT
 CAGTCATGATCATCTGGAATTTTTCTAAAGATGCTTAGGCAGGTATTAGTAACAAGTTCTAGCCCTACC
 TGCATGGCATTCCAGAAAGCTTACTATAATTTGGAGACCAGATACAAATTTCAAGATGAAGTTTTCTAA
 GCAAAGTAAGCATCTTTGACATTTCAATGCTCGAAGGAAAGACTTGGCGCTTTGGACAGTTCAACGTCA
 GTATGGTGTGAGCGTTACAAAGACTGTCTTTACGAAGAGGGTATTTGTCAAGACTGGTCTCATTGTTCA
 CTAAGTGAGGCATTACTAGACCTGTGATCATAGGCGAAATCTCATCTGTTATGCTGGTATGTTGCAA
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 TAAAATGGGTCATATTATTTGTTAAAAAGAAGATGGTTTGCATTTTCTTTCAGAAAGTCTGTGTCGG
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 ATATGAAAACCTTATCAAGGAAACACTGGTCACCTGTACAGGATTATAAATGTTCAAGTTTTGCTAATAC
 CAGTAGTAAATTCAGGCATTTGCTAAGTAAAGTGGATATCCATTCAA

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222338 representing NM_024672
 Red=Cloning site Green=Tags(s)

MTRSCSAVGCSTRDVL SRERGLSFHQFPTDTIQRSKWIRAVNRVDPKSKKIWIPIPGGAILCSKHFQESD
 FESYGIKRRKLLKKGAVPSVSLYKIPQGVHLKGGARQKILKQPLPDNSQEVATEDHNYSLKTPLTIGAEKLA
 EVQOMLQVSKKRLISVKNYRMIKKRKLRLIDALVEEKLLSEETECLLRAQFSDFKWELYNWRETDEYSA
 EMKQFACTLYLCSKVYDYVRKILKLPSSILRTWL SKCQSPSPGFNSNIF SFLQRRVENGDLQYQCSLL
 IKSIPLKQQLQWDPSSSHLQGFMD FGLGKLDADETPLASETVLLMAVGIFGHWRTPLGYFFVNRASGLQ
 AQLRLRTIGKLSDIGITVLAVTSDATAHSVQMAKALGIHIDGDDMKCTFQHPSSSSQQAIFYFDSCHLLR
 LIRNAFQNFQSIQFINGIAHWQHLVELVALEEQELSNMERIPSTLANLKNHVLKVNSATQLFSESVASAL
 EYLLSLDLPPFQNCIGTIHFLRLINNLFDIFNSRNCYGGKLGKPLL PETYSKINHVLIEAKTIFVTLSDT
 SNNQIIKGGKQLGFLGFLNAESLKWLYQNYVFPKVMPPYLLTYKFSDHLELFLKMLRQVLVTSSSPT
 CMAFQKAYYNLETRYKFQDEVFLSKVSIFDISIARRKDLALWTVQRQYGVSVTKTVFHEEGICQDWSHCS
 LSEALLDLSHRRNLICYAGYVANKLSALLTCEDCITALYASDLKASKIGSLLFVKKKNGLHFPSESLCR
 VINICERVVTRHSRMAIFELVSKQREL YLQQKILCEL SGHIDL FVDVNKHLFDGEVCAINHFVKLLKDII
 ICFLNIRAKNVAQNPLKHHsertDMKTL SRKHWSVPQDYKCSSFANTSSKFRHLLSNDGYPFK

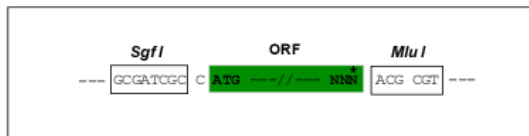
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8041_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

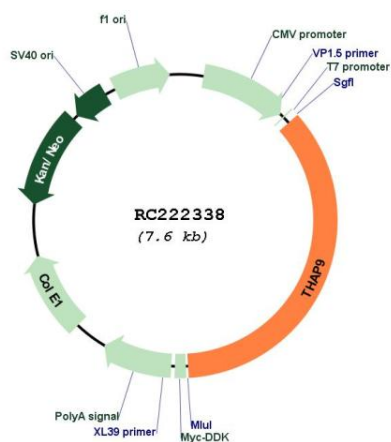


* The last codon before the Stop codon of the ORF

ACCN: NM_024672

ORF Size:	2709 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:	<ol style="list-style-type: none">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_024672.2 , NP_078948.2
RefSeq Size:	3627 bp
RefSeq ORF:	2712 bp
Locus ID:	79725
UniProt ID:	Q9H5L6
Cytogenetics:	4q21.22
MW:	103.2 kDa
Gene Summary:	Active transposase that specifically recognizes the bipartite 5'-TXXGGGX(A/T)-3' consensus motif and mediates transposition.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC222338