

## Product datasheet for **MC221387**

### Thap12 (NM\_028410) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thap12 (NM_028410) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thap12
Synonyms:	2900052B10Rik; Dap4; Prkrir; Rpkrir
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221387 representing NM\_028410  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGAACTTCTGCGCTGCCCCAACTGCACACGGAAGAGCACGCAGTCTGACCTGGCCTTCTTCAGGT  
 TCCCGCGGACCCGGCCAGATGCCAGAAGTGGTTGAGAATTGTAGGAGAGCAGACTTAGAAGATAAAAC  
 ACCAGATCAACTAAATAAACATTATCGACTTTGTGCCAAACACTTTGAGACCTCTATGATTTGTAGAACT  
 AGTCCTTATCGGACAGTCCCTCGAGATAATGCAATACCAACAATATTTGATCTTACCAGTCATTTGAACA  
 ACCCGCATAGCAGACACAGAAAACGAATAAAAGAATTGAGTGAAGATGAAATCAGGACTCTGAAACAGAA  
 AAAAAATTGAGGAGACTTCTGAACAAGAGCAGGAACTAACACCAATGCTCAGAACCCAGTGCAGAAAGCG  
 GTGAACCAGCAGGATGCAAAATGTCTGCCTTTAACCTTGAAGAGAAGGAGAACAAGAGTACCTCAAGT  
 CTTTATTTGAGATTCTGGTTCTCATGGGAAAGCAGAACATCCCCTTGGATGGGCACGAGGCTGACGAGGT  
 CCCCAGGGCCCTTTGCCCCAGACAACCTCCAGGCGCTCTGGAGTGGCGCATCAACTCTGGCAGGAG  
 GTCCTAAGGAAGCGCTTTGAGGCCACAGCGGTCAACACATTATTCGCTCTAAAACCTCAGCAGAGGCACA  
 TGCTGGAGATCTGTGAGAGCTGCATTGGGAGGAGACTCTCAGGGAAGTGAAGGACTCACACTTCTTTTC  
 CATTATCACAGACGATGTGGTGGACATAGCAGGAGAAGAGCACCTGCCCGTGTGGTGAGTTTGTGCGAT  
 GACGCCATAACCTGAGAGAGGAGTTTGTGGGATTTCTGCCGATGAAGCTGATGCGGAGATTTGGCTG  
 TGAAATTTCACTACAATAACTGAGAAATGGGGATTGAATATGGAGTATTGTCGTGGTCAAGCTTACAT  
 TGTGTCCAGTGGATTTCTTCCAAAATGAAAGTGTGCTTCAAGACTTTAGAAAAATATCCCCAGGCT  
 GTCTATACCCTCTGTTCTTCTGTGCCTTAAATGCATGGTTGGCAAAGTCTGTCCCTGTGATCGGGGTGT  
 CCGTGGCTTTAGGAACCATTTGAGGAGTCTGTTCTTTTTCCATCGATCACCACAGCTGCTTTTAGAACT  
 TGACAGTGAATTTCTGTTCTTTTTCAGAATAGTGAAGAACGGGCTAAAGAACTGAAGGAAATTTGTCAT  
 TCCAGTGGACAGGCAGGCATGATGCCTTTGAAATCTTAGTGGATCTCCTACAAGCACTGTCTTATGTT  
 TAGATGGTATAATAAATAGTGACACAAATGTTAGGTGGAATAACTATATAGCTGGGCGAGCATTTGTCT  
 CTGTAGTGCAGTACAGACTTTGATTTTCAATGTTACCATTGTTGTTCTTAAAAATGTGTTATCTTTTACA  
 AGAGCCTTTGGGAAGAACCTCCAGGGACAGACCTCTGACGCTTCTTTGCAGCCAGCAGCCTGACTGCAG  
 TACTGCATTCACTAATGAGGTCATGGAAAATATTGAAGTTTATCATGAGTTTGGTTTGGGAAGCCAC  
 AAATTTAGCAACCAAACTTGACATTCAAATGAACTCCCAGGGAAGTCCGGAGAGCCAGCAAGGTAAC  
 CTGGAATCTCAGTAACCTCTGAGAGTTATTATAAAGACTCTCAGTGTCCAACAGTAGAGCACATTA  
 TTCAGGAACCTAAAGATATTTCTCTGAACAGCACCTCAAAGCTCTGAAATGCCTATCTCTGGTACCCTC  
 AGTGATGGGGCAGCTCAAATTAACACATCAGAAGAGCACCATGCTGACATGTACAGAAGTGACCTACCC  
 AACCTGACACGCTCTCTGCCGAGCTTCACTGTTGGAGAATCAAGTGGAAACACAGAGGGAAAGATACG  
 AGCTCCCGTCCACCATTTATGAAGCCCTCCATCTTCTGACATCAAGTTTTCCCTAATGTATATGCTTT  
 GCTGAAGTCTGTGATTTCTCCCTGTGATGAAAGTTGAGAATGAGCGCTATGAAATGGACGGAAGCGT  
 CTCAAAGCATACCTGCGGAACACTCTGACAGACCAGAGGTCAAGCAATTTGGCTTTGCTTAACATAAATT  
 TTGATATAAAACATGATTTAGATTTAATGGTGGACACATACATCAAACCTATACAAATAAGTCAGAGCT  
 TCCTACAATTAATTCAGAAACCATTTGAAAATAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_028410  
**Insert Size:** 2277 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_028410.1</a> , <a href="#">NP_082686.1</a>
<b>RefSeq Size:</b>	3478 bp
<b>RefSeq ORF:</b>	2277 bp
<b>Locus ID:</b>	72981
<b>UniProt ID:</b>	<a href="#">Q9CUX1</a>
<b>Cytogenetics:</b>	7 E1
<b>Gene Summary:</b>	Upstream regulator of interferon-induced serine/threonine protein kinase R (PKR). May block the PKR-inhibitory function of DNAJC3, resulting in restoration of kinase activity and suppression of cell growth.[UniProtKB/Swiss-Prot Function]