

## Product datasheet for **RN203611**

### Taok1 (NM\_173327) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Taok1 (NM_173327) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Taok1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203611 representing NM\_173327  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCATCAACTAACAGAGCAGGCAGTCTAAAGGACCCTGAAATCGCAGAGCTCTTCTTCAAAGAAGATC  
 CGGAAAACTCTTACAGATCTCAGAGAAATCGGCCATGGGAGCTTTGGAGCAGTTATTTTGCAGGAGA  
 TGTGCGTACTAATGAAGTGGTGGCCATCAAGAAAAATGTCTTATAGTGAAAGCAGTCTACTGAGAAATGG  
 CAGGATATTATTAAGGAAGTCAAGTTTCTACAAAGAATAAAACATCCCAACAGTATAGAATACAAAGGCT  
 GCTATTTACGTGAACACACAGCATGGCTTGAATGGAATATTGTTTAGGATCTGCTTCGGATTTACTAGA  
 AGTTCATAAAAAGCCATTACAAGAAGTGGAAATAGCAGCAATTACACATGGTGTCTCCAGGATTAGCT  
 TATTTACATTCTCATACCATGATCCATAGAGATATCAAAGCAGGAAATATCCTTCTGACAGAACCAGGCC  
 AAGTGAACCTTGCTGACTTTGGATCTGCTCCATGGCCTCCCCTGCCAATCTTTTGTGGGAACACCATA  
 TTGGATGGCCCCAGAAGTAATTTAGCCATGGATGAAGGACAATATGATGGCAAAGTTGATGATGGTCT  
 CTTGGAATAACATGTATTGAATTAGCCGAGAGGAAAGCCTCCTTTATTTAATATGAATGCAATGAGTGCCT  
 TATATCATAGCCAAAATGAATCCCCTACACTACAGTCTAATGAATGGTCTGATTATTTTCGAAACTT  
 TGTAGATTCTTGCTCCAGAAAATCCCTCAAGATCGCCCTACATCAGAGGAACTTTAAAGCACATGTTT  
 GTTCTTCGAGAGCGCCCTGAAACAGTGTAAATAGATCTTATTCAAAGGACAAAGGATGCAGTAAGAGAGC  
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 AGCACAGGAAGAAGAGGAGGAGCAAGATCATGGTGGTGGCCGGACAGGAACAGTAATAGTGTGGAAAGC  
 AATCAGTCTATCCCAGTATGTCTATCAGTGCCAGTAGCCAAAGCAGCAGTGTAAATAGTCTTCAGATG  
 CATCGGATGACAAGAGTGAGCTAGACATGATGGAGGGAGACCATACAGTGTATGCTAACAGTCTGTCCAT  
 CCACCTAAAACCTGAGGAGGAAAAATTACCAAGAAGAAGGAGATCCTAGAACAAGAGCATCAGCTCCACAG  
 TCTCCACCTCAAGTGTCTCGTCAAAAATCACATTATCGTAATAGAGAACACTTTGCAACTATACGAACAG  
 CATCACTGGTTACAAGACAGATGCAAGAACATGAGCAGGACTCTGAACTTAGAGAACAGATGTCTGGTTA  
 TAAGCGGATGAGGCGACAGCATCAGAAGCAGCTGATGACTCTGGAAAATAAACTGAAGGCAGAAATGGAC  
 GAACATCGGCTCAGATTAGACAAAGATCTTGAACCTCAGCGCAACAATTCGCTGCAGAAATGGAGAAAC  
 TTATTAAGAAACACCAAGCTTCTATGAAAAAGAGGCTAAAGTGTGGCCAACGAGGAGAAAAAATCCA  
 ACAACACATTGAGCTCAACAGAAGAAAGAACTGAATAGCTTTTTGGAGTCTCAAAAAGAGAATATAAA  
 CTTTCGAAAAGAGCAGCTTAAGGAGGAGCTGAATGAAAACCAGAGCACCTAAAAAGAAAAGCAGGAAT  
 GGCTTTCAAAGCAGAAGGAGAATATTCAACATTTTCAGGCAAGAAGAAGCTAATCTTCTTCGAGGTCA  
 AAGGCAGTATCTAGAGCTAGAATGTCGTCGCTTCAAAAAGAAGAATGTTACTTGGTTCGGCATAACTGGAA  
 CAGGACCTTGTACAGGAGGAGTTAAACAAAAGGCAGACTCAGAAGGACTTAGAACATGCAATGTTACTGC  
 GACAGCATGAATCCATGCAAGAACTGGAGTTTCGCCACCTCAACACTATTCAGAAGATGCCTGTGAGTT  
 GATCAGACTGCAACATCAAACCTGAGCTTACTAACCAGCTGGAATACAATAAGAGAAGGGAACGGGAACTA  
 AGACGGAAACATGTCATGGAAGTTCGACAGCAGCCTAAGAGTTTGAAGTCTAAAGAACTCCAAATAAAAA  
 AGCAGTTTCAGGATACCTGCAAAATTCAAACCAGACAGTACAAAGCATTAAAGGAATCACCTACTGGAGAC  
 TACACCAAAGAGTGAGCACAAGCTGTTCTGAAAAGACTCAAGGAGGAACAGACTCGGAAGTTAGCCATC  
 TTGGCTGAGCAGTATGATCATAGCATTAAATGAAATGCTCTCCACACAAGCTCTGCGTTTGGATGAAGCAC  
 AGGAAGCAGAATGCCAGTTTTGAAGATGCAGCTACAGCAGGAACTGGAGCTGTTGAATGCATATCAGAG  
 CAAAATCAAGATGCAGGCTGAGGCCAACATGATCGAGAGCTTCGAGAGCTGGAACAAAGGGTCTCCCTT  
 CGGAGAGCACTCTTAGAACAGAAGATTGAAGAAGAGATGTTGGCTTTCGAGAATGAACGCACAGAACGAA  
 TACGTAGCCTGCTCGAGCGCCAGGCCAGAGAAATTGAAGCTTTTGACTCTGAAAGCATGAGATTAGGTTT  
 TAGTAACATGGTCTTTCTAATCTCTCCCCTGAGGCATTACGCCACAGCTACCCAGGAGCTTCTAGCTGG  
 TCTCACAATCCTACTGGGGTTTCAGGACCTCACTGGGGTCAATCCCATGGGTGGCACACCACAAGCTTGGG  
 GTCATCCGATGCAAGGCGGACCCCAACCATGGGGTCAACCCTCAGGGCCAATGCAAGGGGTACCTCGAGG  
 TAGCAGTATAGGAGTCCGCAATAGCCCCAGGCTCTGAGGCGGACAGCTTCTGGGGGACGGACGGAACAG  
 GGCATGAGCAGAAGCAGGAGTGTCACTTCAAAAATATCCAATGGGTACACATGTCTTACACA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_173327
<b>Insert Size:</b>	3006 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_173327.1</a> , <a href="#">NP_775449.1</a>
<b>RefSeq Size:</b>	3312 bp
<b>RefSeq ORF:</b>	3006 bp
<b>Locus ID:</b>	286993
<b>UniProt ID:</b>	<a href="#">O88664</a>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	protein kinase; involved in regulation of the p38-containing stress-responsive MAP kinase pathway [RGD, Feb 2006]