

Product datasheet for RN208910

Taok2 (NM_022702) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taok2 (NM_022702) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Taok2
Synonyms:	Tao2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208910 representing NM_022702 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGCTGGGGCCGGGCCGGGAGCCTGAAGGACCCTGATGTAGCTGAGCTCTTCTTCAAGATGACC
CTGAGAAGCTTTCTCTGACCTCCGGAAATTGGCCATGGCAGTTTTGGAGCTGTGTACTTTGCCGGGA
TGTCGGAAACAGTGAGGTGGTGGCCATCAAGAAGATGTCTATAGTGGGAAGCAATCAAATGAGAAATGG
CAGGATATCATCAAGGAGGTGCGGTTCTTACAGAAGCTACGGCATCCTAATACCATTCACTACCGGGCT
GTTACCTGAGGGAGCACACAGCTTGGCTGGTGTGGAGTATTGCCTGGGTTCACTTCTGATCTTCTCGA
AGTGCACAAGAAGCCGCTGCAGGAGGTAGAGATTGCAGCTGTGACCCATGGTGGCCTTACGGGCTGGCC
TATCTACATTCACACAACATGATCCATAGAGATGTGAAGGCTGGGAACATCTTGTGTCAGAACAGGCT
TGGTGAAGTGGGGACTTTGGCTCCGCATCCATCATGGCACCTGCCAATCATTGTGGGCACTCCATA
CTGGATGGCTCCAGAGGTGATCCTAGCCATGGATGAGGGACAATATGATGGCAAAGTGGATGTCTGGTCC
TTGGGGATAACCTGTATTGAGCTAGCGGAGCGGAAGCCACCAGTGTAAACATGAATGCAATGAGTGCCT
TATACCACATTGCACAGAATGAATCCCTGCTCTCCAGTCAGGACACTGGTCTGAGTACTCCGGAATTT
TGTTGACTCCTGTCTTCAGAAAATCCCTCAAGACAGACCAACCTCAGAGGTTCTTTTGAAGCACCGCTTT
GTGCTCCGGGAGCGGCCACCCACAGTCATCATGGACCTAATTCAGAGGACCAAGGATGCTGTACGGGAAC
TAGATAACCTGCAGTACCGAAAGATGAAGAAGATACTATTCCAAGAGGCACCCAATGGCCCTGGTGTGA
GGCCCCAGAGGAAGAGGAGGAAGCAGAACCTTACATGCACCGAGCAGGGACACTGACCAGTCTAGAGAGT
AGCCATTCAGTGGCCAGCATGTCCATCAGCGCTCCAGCCAAAGCAGCTCAGTCAACAGCCTAGCAGATG
CCTCAGATAATGAAGAAGAGGAGGAGGAGGAAGAGGAAGAAGAAGAGGAGGAGGAAGAAGAAGGCCCTGA
ATCCCAGAGATGGCCATGATGCAGGAGGGGAGCATAACAGTCACTTCCCACAGCTCCATCATCCACCGG
CTGCCGGCTCAGACAACCTATATGATGATCCCTACCAGCCAGAGATGACCCAGTCCACTCCAACCAC
CTGCAGCCCTCCACCTCCACCTCCTCCTCTTCTGCTCGCCGAGAGCTTATTGCCGAACCGAGACCA
CTTTGCCACCATCCGTAAGTGGCTACAAGCGGATGCGGCGTCAGCACCAGAAGCAACTGCTGGCCCTGGAGTCCC



GTCTGAGGGGTGAACGTGAGGAGCACAGTGGGCGGTTGCAGCGTGAACCTGAGGCACAGCGGGCTGGCTT
 TGGGACTGAGGCTGAGAAGCTGGCCCGGAGGCACCAGGCCATTGGTGAGAAGGAAGCACAGCTGCTCAG
 GCTGAGGAGCGGAAGTTCAGCAGCACATCTTGGGGCAGCAGAAGAAGGAACTGGCTGCCCTGCTGGAGG
 CACAGAAGCGAACCTATAAGCTTCGGAAGGAGCAGTTGAAAGAGGAGCTCCAGGAGAACCCTAGCACACC
 CAAACGAGAGAAGGCTGAGTGGCTGTTGAGGCAGAAAGAGCAGTTGCAACAGTGCCAGGCAGAGGAGGAG
 GCAGGGCTACTGCGGAGGCAACGCCAGTACTTTGAGCTTCAGTGTCCCAATAACAAGCGCAAGATGCTAC
 TGGCTCGGCACAGCCTAGACCAGGACCTGCTTCGAGAGGACTTGAATAAGAAACAGACACAGAAGGACTT
 GGAGTGTGCTCTGCTGTTACGGCAGCATGAGGCTACCCGAGAGCTGGAGCTACGACAGCTCCAGGCTGTC
 CAGCGCACACGTGCTGAACTCACCCGCCTTCAGCACCAGACAGAGCTAGGCAACCAGTTGGAGTACAACA
 AGCGACGGGAGCAAGAGTTGCGGCAGAAGCACGCGGCCAGGTTCCGACAGCAGCCCAAGAGCCTCAAAGT
 ACGTGCAGGCCAGCTACCCATGGGCCTCCCTGCTACCGGGGCTCTGGGACCCTCAGCACAGGCACCCTT
 AGTGAAGAGCAGCCCTGCTCATCTGGCCAGGAGCAATCTGGGCCAAAGGATGCTGGGAGAGGAGGAGG
 AAGCAGTGCCAGAGAGAATGATTCTGGGAAAGGAAGGACTACTTTGGAGCCAGAGGAGCAGAGGATTCT
 GGGGGAAGAAATGGGAACCTTTAGTTCAGCCCAAAAAATAGGAGTCTGGTTAATGAGGAAGATTGG
 GATATATCTAAAGAAATGAAGGAGAGTAGAGTCCCATCCCTGGCATCCCAGGAGAGAAATATTATTGGCC
 AGGAAGAGGCTGGGGCATGGAATCTGTGGGAGAAGGAGCATGGAACCTTGTGGATATGGAGTTCAGCT
 TGGCTGGGTCCAGGGTCCAGTTCTGACTCCAGTGCCTGAGGAGGAAGAGGAGGAGGAAGAGGAGGGAGGG
 GCTCCAATTGGAACCCCAAGGACCCTGGAGATGGCTGTCTTCCCAGATATCCCCCAGAGCCACCTC
 CATCACATCTGAGACAGTACCCTGCTAGCCAGCTTCTGGATTCTTGTCTCATGGCTCCTGACTGGCCT
 CTCCTTTGAGTGGGGTCTCCTCTGGCCTCTTGGCCCTACTACTTCTGTGCTACTCCCATTGTGGCA
 GCCCAGGTGGAGGTGGCTTGCAGGCAGCACTGCTGGCCCTTGGGTAGGACTAGTGGGCCTGGGGCCT
 CCTACCTGTTCTTTGTACAGCTCTACACCTGCCACCCAGTCTGTTCTTACTCCTGGCTCAGGGCACTGC
 ACTGGGGGCTGTCTTAGCCTGAGCTGGGCAGAGGCCCTTATGGGTGTGCCTCTGGGCCTTGGGGTGC
 TGGCTCCTAGCTTGGCCAGCCTGGCTTTACCTCTGGCAGCTATGGCGGCTGGGGCAAAATGGGTACGGC
 AGCAAGGCCCCAGATGGTTCGGGCATCTCTGACTCTGGTTGCGGGTCTGCTACGCCTGTACCCAT
 GGTCTTTGCGGCCCTACAGGGCTGTGCGCTGTGGGAGACCGGGGGCTGTTTGGCCTGTACCCTAAGACC
 AATAAGAAATGGTTTCCGAAGTCGACTGCCTGTCCCTTGGCCCGTCAGGGAAATCCTCGCACTACACAGC
 ACCCACTAGCTCTGTTAGCAAGAGTTTGGGCTCTGTGCAAGGGCTGGAACCTGGCGCTAGCACGGGCTAG
 CCATAGATTAGCTTCTTGTGGCCCTGGGCTGTTCACTACTAGCTAGCTGGGGCTGCTTAAGGGT
 GAAAGGCCAGTCGGATCCCTCGGCTGTACCGGAAGCCAACGCCGTCTTGGGCTCTCAGTTCCTCCGAC
 AGCTACCACCAGGACTGTAGCTGGGCGGAGATCTCAGACCCGACAGGGCCCTGCCTCCCTGGAGG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_022702

Insert Size:

3708 bp

OTI Disclaimer:

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).

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_022702.1](#), [NP_073193.1](#)

RefSeq Size: 4298 bp

RefSeq ORF: 3708 bp

Locus ID: 64666

UniProt ID: [Q9JLS3](#)

Cytogenetics: 1q36-q37

Gene Summary: present in stress-sensitive kinase cascades; selectively activates MEK 3,4, and 6 of the stress-responsive mitogen-activated protein kinase pathways [RGD, Feb 2006]