

## Product datasheet for **RN206329**

### **Tacr3 (NM\_017053) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tacr3 (NM_017053) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tacr3
Synonyms:	Nkr; Nmkr; Tac3r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206329 representing NM\_017053  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGCCTCAGTCCCCAGGGGCGAAAACCTGGACCGACGGGACGGTGGAAAGTGGGGACCCATACAGGGAATC  
TGAGCTCCGCGCTGGGGTCACTGAGTGGCTTGCCTCCAAGCTGGCAACTTCTCTTCAGCGCTGGGGT  
GCCGGCGACAACCCAGGCACCTTCCAGGTCCGGGCTAACCTGACCAACCAGTTCGTGCAGCCGCTCTGG  
CGGATCGCGCTCTGGTCCCTGGCTATGGCTTGGTGGCCGTGGCAGTCTTCGAAACCTCATCGTTA  
TCTGGATCATCTAGCCACAAGCGCATGAGAAGTGTACCAACTATTTCTGGTAAACCTGGCTTTCTC  
CGACGCTCCGTGGCTGCCTTCAACACCTTGATCAATTTTCTATGCTTTCACAGCGAGTGGTACTTT  
GGCGCAACTACTGCCGCTTCCAGAATCTTTCCCATCACAGCGGTGTTTCCAGCATCTACTCTATGA  
CAGCCATTGCAGTGGACAGGTATATGGCTATTATTGATCCGTTGAAACCCAGACTTCTGCCACAGCCAC  
TAAGATTGTCATTGGAAGTATTTGGATTTTGGCATTCTACTTGCCTTCCCTCAATGCCTTTATTCCAAA  
ATAAAAGTCATGCCGGGCGTACTCTTTGCTACGTGCAGTGGCCAGAAGTCCCAAGCAACATTTACGT  
ACCACATCATTGTGATCATCTGGTGTACTGTTTCCCACTGCTCATCATGGGTGTACCTACACCATCGT  
TGGAACTACTCTGGGGAGGAGAGATCCAGGAGACACCTGTGACAAGTACCATGAGCAGCTGAAGGCT  
AAACGAAAGGTGGTAAAGATGATGATCATTGTGGTGGTACGTTTGCATCTGCTGGCTGCCCTATCACG  
TGATTTTCATTCTCACTGCGATCTACCAACAGTTAAACAGATGGAATACATTCAACAGGTCTACCTGGC  
TAGCTTCTGGCTGGCAATGAGCTCGACCATGTACAACCCATCATCTACTGCTGTTTGAACAAAAGATTC  
CGCGCAGGCTTCAAGAGAGCATTTCGCTGGTGTCTTTTCAAGTCTCCAGCTACGATGAGCTGGAGC  
TCAAGACCACAGTTCATCCACACGACAGCAGCCTGTACACCGTGAGCAGGATGGATCGGTGAC  
CGTGTCTTTGACCCCAATGATGGAGACCAACCAATCCAGCCGCAAGAAGAGGGCGGTGCCACAGAGAC  
CCCAGTGCCAATGGCTGTTCCACAGAGGTTCCAAATCTGCCTCCACCACATCAAGTTTCATAAGCTCAC  
CCTATACCTCTGTGGATGAATATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja2611\\_d01.zip](https://cdn.origene.com/chromatograms/ja2611_d01.zip)

Restriction Sites: SgfI-MluI

ACCN: NM\_017053

Insert Size: 1359 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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>	<u><a href="#">NM_017053.1</a></u> , <u><a href="#">NP_058749.1</a></u>
<b>RefSeq Size:</b>	2159 bp
<b>RefSeq ORF:</b>	1359 bp
<b>Locus ID:</b>	24808
<b>UniProt ID:</b>	<u><a href="#">P16177</a></u>
<b>Cytogenetics:</b>	2q43
<b>Gene Summary:</b>	receptor for the tachykinin neuromedin K (neurokinin B); couples with G protein that activates the phosphatidylinositol-calcium second messenger system [RGD, Feb 2006]