

## Product datasheet for **MG207221**

### Tacr3 (NM\_021382) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tacr3 (NM_021382) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tacr3
Synonyms:	Nk; Nk3r; Nkr; Tac; Tac3r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207221 representing NM\_021382  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTCGGTTCCACCGGCGAAAACCTGGACGGACGGGACGGCGGGCGTGGGGTCCCATACAGGGAATC  
 TGAGCGCTGCGCTGGGGATCACTGAGTGGCTTGCCTCCAGGCTGGCAACTTCTCCTCCGCGCTGGGCTT  
 GCCAGTGACATCCAGGCACCTTCCAAGTCCGGGCCAACCTGACGAACCAAGTTCGTGCAGCCCTCTGG  
 CGAATCGCGCTCTGGTCGCTGGCCTATGGCTTAGTGGTGGCGGTGGCAGTCTTCGAAAACCTCATCGTTA  
 TTTGGATCATCTTGGCCACAAGCGCATGAGGACCGTCACCAACTATTTCTGGTAAACCTGGCTTTCTC  
 CGACGCTCCGCTGGCTTCAACACCTTGGCAATTTTCATCTATGGTGTTCACAGCGAGTGGTACTTT  
 GGGCCAACTACTGCCGCTTCCAGAACTCTTTCCCATCACAGCGGTGTTTCCAGCATCTACTCTATGA  
 CAGCCATTGCAGTGGACAGGTATATGGCCATTATCGATCCTTTGAAACCCAGACTATCTGCCACAGCCAC  
 TAAGATTGCATCGGAAGTATTTGGATTTTGGCATTCTACTTGCCTTCCCTCAATGTCTTTATTCCAAA  
 ATAAAAGTCATGCCAGGCCGTACCTTTGCTATGTGCAGTGGCCAGAAGGTCCCAAGCAACATTTACGT  
 ACCACATCATTGTTATCATCCTGGTGTACTGTTTCCCATTGCTCATCATGGGTGTACCTACACCATCGT  
 TGGAACTACTCTCTGGGAGGAGAGATCCAGGAGACACCTGTGACAAGTACCATGAGCAGCTTAAGGCT  
 AAACGAAAGGTTGAAAAATGATGATTATTGTGGTGGTGACATTTGCCATCTGCTGGCTACCCTACCATG  
 TGTATTTCACTTCACTGCGATCTACCAACAGTAAACAGGTGAAAATACATCCAGCAGGTCTACCTGGC  
 TAGCTTCTGGCTGGCCATGAGCTCAACCATGTACAACCCATCATCTACTGCTGTTTGAACAAAAGATTT  
 CGTGCAGGCTTCAAGAGAGCATTTGCTGGTGTCTTTTCAAGTCTCCAGCTACGATGAGCTGGAGC  
 TCAAGACCACAGGTTTTCATCCACACGGCAGCAGCCTGTACACCGTGAGCAGGATGGAGTCAAGTGC  
 CGTGCTGTATGACCCAGTGAAGGGGACCCGCAAGTCCAGCCGCAAGAAGAGGGCGGTGCCAGAGAC  
 CCCAGTGCCAATGGCTGCTCCACAGAGAGTTCAAATCTGCCTCCACCACATCAAGTTTTCATAAGCTCG  
 CCTATACCTCTGTGGATGAATATTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207221 representing NM\_021382  
 Red=Cloning site Green=Tags(s)

MASVPTGENWTDGTAGVGSHTGNLSAALGITEWLALQAGNFSSALGLPVTSQAPSQVRANLTNQFVQPSW  
 RIALWSLAYGLVVAVAVFGNLIWIWILAHKRMRTVTNYFLVNLAFSDASVAAFNTLANFIYGVHSEWYF  
 GANYCRFQNFPPITAVFASIYSMTAIAVDRYMAIDPLKPRLSATATKIVIGSIWILAFLLAFPQCLYSK  
 IKVMPGRTLCYVQWPEGPKQHFTYHIIIVILVYCFPLLIMGVTTYIVGITLWGGEIPGDTCDKYHEQLKA  
 KRKVVKMMIIVVTFIACWLPYHVYFILTAIYQQLNRWKYIQQVYLASFWLAMSSTMYNPIIYCCLNKRF  
 RAGFKRAFRWCPFIQVSSYDELELKTTRFHPTRQSSLYTVSRMESVTVLYDPSEGDPAKSSRKKRAVPRD  
 PSANGCSHREFKSASTTSSFISSPYTSVDEYS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_021382

**ORF Size:** 1356 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:**

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\\_021382.2](#), [NP\\_067357.1](#)

**RefSeq Size:** 3755 bp

**RefSeq ORF:** 1359 bp

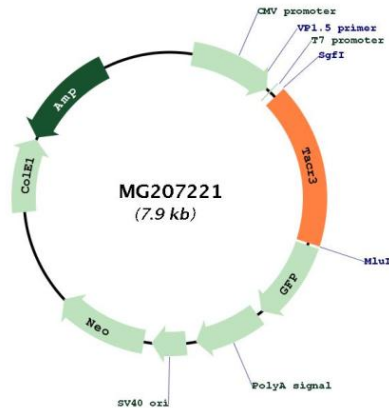
**Locus ID:** 21338

**UniProt ID:** [P47937](#)

**Cytogenetics:** 3 G3

**Gene Summary:**

This gene belongs to a family of genes that function as receptors for tachykinins. The receptors belonging to this family are characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin neurokinin 3, also referred to as neurokinin B. [provided by RefSeq, Mar 2010]

**Product images:**

Circular map for MG207221