

Product datasheet for **RR203988**

Tacr1 (NM_012667) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tacr1 (NM_012667) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tacr1
Synonyms:	Tac1r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203988 representing NM_012667 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGGATAACGTCCTTCTATGGACTCTGATCTCTTCCCAACATCTCCACCAACACCTCTGAGTCTAAC
AGTTCGTGCAGCCTACCTGGCAAATCGTTCTTTGGCGGCTGCCTACACGGTCATCGTGGTGACTTCCGT
GGTGGCAACGTAGTGGTGATATGGATCATTTTGGCCACAAGAGAATGAGGACAGTGACCAATTATTT
CTGGTGAACCTGGCCTTCGCTGAGGCCCTGCATGGCTGCATTCAATACGGTGGTGAACCTCACCTACGCAG
TCCACAATGTGTGGTACTACGGCCTCTTCTATTGCAAGTTTCACAACCTCTTCCCATCGCTGCTCTCTT
CGCCAGTATCTACTCCATGACAGCCGTGGCCTTCGACAGATACATGGCCATCATCCACCTCTCCAGCCC
CGGCTCTCAGCCACGGCTACCAAAGTGGTCATCTTTGTCATCTGGGTCTGGCTCTCCTGCTGGCCTTTC
CACAAGGCTACTACTCCACCACAGAGACCATGCCCAGCAGAGTCGTGTGCATGATCGAGTGGCCGGAGCA
TCCCAACAGGACTTATGAGAAAGCGTACCACATCTGCGTGACTGTACTGATCTACTTCTGCCTCTACTG
GTGATCGGCTACGCGTACACTGTGGTGGGATTACACTGTGGCCAGTGAGATCCCCGGCAGCCTCTCTG
ACCGTACCATGAGCAAGTCTCTGCCAAACGCAAGGTGGTCAAATGATGATCGTGGTTGTGTACCTT
CGCCATCTGCTGGCTGCCCTTCCACGTCTTCTCCTCCTGCCCTACATCAACCCAGATCTCTACCTGAAG
AAGTTCATCCAGCAGGTCTACCTGGCCAGCATGTGGCTGGCCATGAGTCTACCATGTACAACCCCATCA
TCTACTGTTGCCTCAACGACAGGTTCCGTCTGGGCTTCAAGCACGCCTTCCGCTGCTGCCCTTTCATCAG
TGCAGGTGATTATGAGGGGCTGGAAATGAAATCCACCCGATACCTCCAGACACAGAGCAGCGTGTACAAG
GTCAGCCGCTGGAGACCACCATCTCCACTGTGGTGGGAGCCCATGAAGAGGAGCCCAGGAAGGCCCA
AGGCCACACCCTCATCTTGGATCTCACCTCCAACGGCTCTCTCGCAGCAACTCCAAGACCATGACAGA
AAGCTCCAGTCTTACTTAACATGCTGGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1221 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:	<ol style="list-style-type: none">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_012667.2 , NP_036799.1
RefSeq Size:	3408 bp
RefSeq ORF:	1224 bp
Locus ID:	24807
UniProt ID:	P14600
Cytogenetics:	4q34
MW:	46.4 kDa
Gene Summary:	mediates neuropeptide signaling; may play a role in pain sensitivity; may mediate baroreflex transmission for blood pressure regulation [RGD, Feb 2006]