

Specifications:

Gene:	mTacr3
Accession:	NP_067357
Insert size:	1372bp
Concentration:	10µg at 0.2µg/µL

mNK3R/TACR3 cDNA Plasmid

Tacr3 tachykinin receptor 3
[*Mus musculus* (house mouse)]

Also known as: Nkr; Nk3r; Tac3r

Summary:

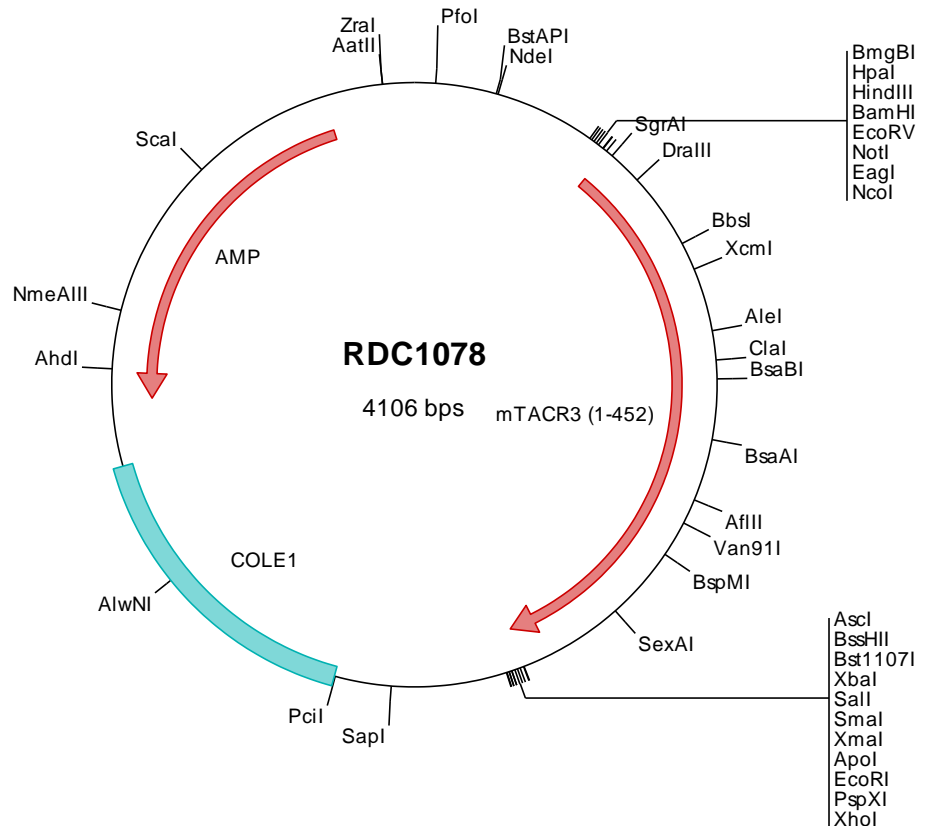
TACR3 belongs to a family of genes that function as receptors for tachykinins. TACR3 encodes the receptor for the tachykinin neurokinin 3, also referred to as neurokinin B. Receptor affinities are specified by variations in the 5'-end of the sequence. Receptors belonging to this family are characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. Mutations in TAC3 and TACR3 (encoding neurokinin B and its receptor) have been identified in Turkish patients with idiopathic hypogonadotropic hypogonadism (IHH).

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1078 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgccc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc gggcggcaac atggcctcgg ttcccaccgg cgaaaactgg acggacggga cggcggggct
501 ggggtcccat acagggaaac tgagcctgac gctgggggac actgagtggc ttgcgctoca ggctggcaac ttctcctcgg cgtgggctt gccagtgaca
601 tcccaggcac cttcccaagt cggggccaac ctgacgaaac agttcgtgca gccctcctgg cgaatcgcg totggtcget ggcctatggc ttagtgggtg
701 cgggtggcagt cttcggaaac ctcatcgtta ttggatcat cttggcccac aagcgcata ggaccgtcac caactatttc ctggtaaacc tggctttctc
801 cgacgcctcc gtggctgccc tcaaacctt ggtaaatctt atctatggtg ttccacagca gtggtaacttt ggccgcaact actgcccctt ccagaacttc
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1801 tattcctaaa ggcgcccag tataactctag agtcgacacc cggggaattc ctgagcgtc cgtctctago ttggcgtaat catggtaata gctgtttcct
1901 gtgtgaaatt gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaata agtgagctaa ctcacattaa
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2501 ctcagtctgg tgtaggctgt tcgctccaag ctgggctgtg tgcacgaacc cccgttctag cccgaccgct gcgcttctc cggtaactat cgtcttggat
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2701 gtggcctaac tacggctaca ctagaaggac agtatttggt atctgcccac tgcctgaacc agttacctc ggaaaaagag ttggtagctc ttgatccggc
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4101 ttcgtc

> RDC1078 Translated Insert Sequence

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101 krmrtvtnyf lvnlafsdas vaafntlvnf iygvhsewyf ganycrfqnf fpitavfasi ysmtaiavdr ymaiidplkp rlsatatkiv igsiwilaf1
201 lafpqclysk ikvmpgrtlc yvwpepgkq hftyhiivii lvyfcpllim gvtytivgit lwggeipgdt cdkyheqlka krkvvkmii vvtfaicwl
301 pyhvvyfilita iyqqlnrwwy iqvyllasfw lamssmynp iyyclnkrf ragfkrafrw cpfiqvssyd elelkttrfh ptrqsslytv srmsvttvly
401 dpsegdpaks srkkraavrps psangcshre fksaststssf isspytsvde ys