

Specifications:

Gene:	hNK2R
Accession:	AAC31760
Insert size:	1209bp
Concentration:	10µg at 0.2µg/µL

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.

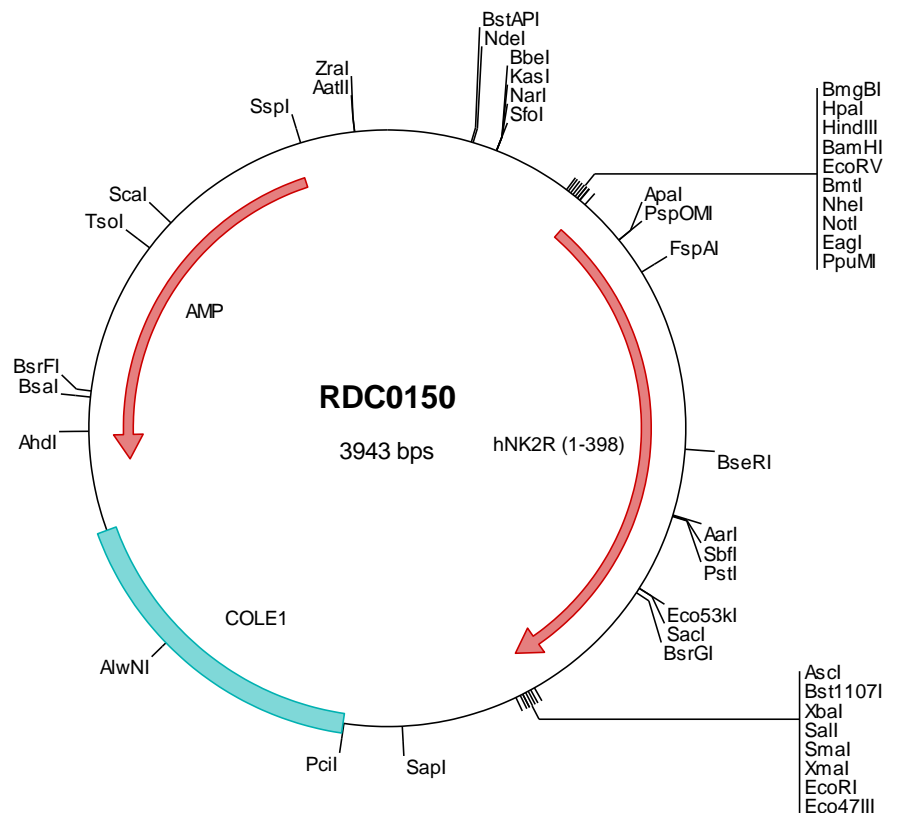
hNK2R cDNA Plasmid

TACR2 tachykinin receptor 2 [*Homo sapiens*]

Also known as: SKR; NK2R; NKNAR; TAC2R

Summary:

Tachykinins are a family of neuropeptides, involved in a variety of physiological and pathological processes occurring in the gastrointestinal tract. NK2R is the receptor for the tachykinin neuropeptide substance K, also referred to as neurokinin A, and belongs to the family of G protein-coupled receptors. It is expressed in distinct parts of the human brain. Genetic variations in NK2R are significantly associated with cough sensitivity to capsaicin. NK2R antagonists are potentially beneficial in treating various disorders including irritable bowel syndrome, urinary incontinence, depression and anxiety.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0150 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gacgctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggccgc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgccacc atggggacct gtgacattgt gactgaagcc aatatctcat ctggccctga
501 gagcaacacc acgggcaaca cagcctctc catgcccagc tggcaactgg cactgtgggc cccagcctac ctggccctgg tctggtgggc cgtgacgggt
601 aatgcaatcg tcatotggat catcctggcc catcggagga tgcgcacagt caccaactac ttcactgta atctggcgtt ggtgacctc tgcattggctg
701 ccttaaatgc cgccttaaac tttgtctatg ccagccacaa catctgttac tttggccgtg cctctgta ctccagAAC ctctccca tcacagccat
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2201 tataaagata ccaggcgttt cccctggaa gctcctctg gcgctctct agtctcacc gttccgacc tgcgcttac cggatactg tccgctcttc tccctcggg
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2901 tgaggcaacct atctcagcga tctgtctatt tcgttcaccc atagttgctt gactccccct cgtgtagata actacgatac gggaggcctt accatctgpc
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3101 caactttatc cgcctccatc cagtctatta attgttgcgg ggaagctaga gtaagtagt cgccagttaa tagtttgcgc aacgtttgtt ccattgctac
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3701 caaaaaagg aataaggcgc acacggaat gttgaatact cactctctc ctttttcaat attattgaa gtttattgct ccatgagcgg
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3901 acattaaact ataaaaatag gcgtatcacg aggccttttc gtc

> RDC0150 Translated Insert Sequence

1 mgtcdivtea nissgspe nt gitafsm ps wqlalwap y lalvlvav t naiiviw ila hrrmrtv tny fivnlalad l cmaafnaaf n fvyashniw
101 fgrafcyfn lfpitamfv s iysmtaiad rymaivhpf q prlsapstka viagiwlval alaspqcfys tvtmdggatk cvvawpedsg gktl1lyh1v
201 vialiyflpl avmfvaysvi gltlwrravp ghqahganlr hlqakkkfvk tmlvlvltfa icwlpvhlyf ilgsfqediy chkf1qqvyl alfwlamsst
301 mynp1iycc1 nhrfrsgrl afrccpwt p tkedk1elt p t1slstrvrn chtketl1fma gdtapseats geagrpdgs glwfygylla ptkthvei