

Specifications:

Gene:	<i>mRor2</i>
Accession:	NP_038874
Insert size:	2848bp
Concentration:	10µg at 0.2µg/µL

**mROR2 cDNA
Plasmid**

Ror2 receptor tyrosine kinase-like orphan receptor 2 [*Mus musculus* (house mouse)]

Also known as: mRor2; Ntrkr2

Summary:

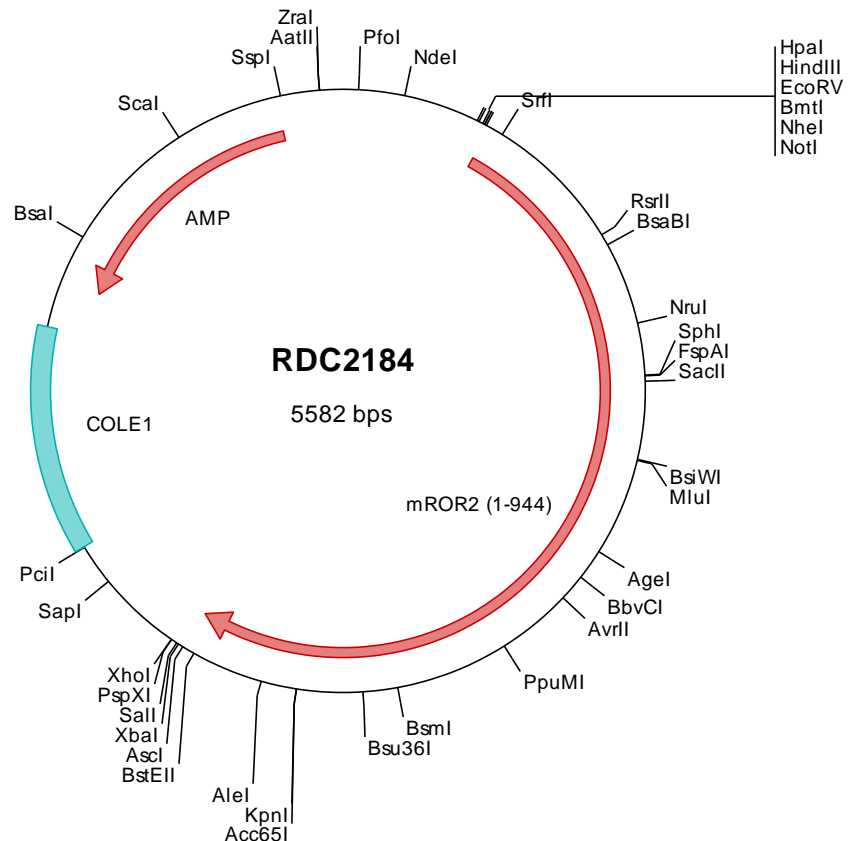
ROR2 is a receptor protein tyrosine kinase. It is a type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. ROR2 may play a role in the early formation of chondrocytes. It may also be required for cartilage and growth plate development. Mutations in ROR2 can cause brachydactyly type B, a skeletal disorder characterized by hypoplasia/aplasia of distal phalanges and nails, and an autosomal recessive form of Robinow syndrome.

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.



> RDC2184 Plasmid DNA Sequence

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1   tcgctgcgttt   cggatgatgac   ggtgaaacc   tctgacacat   gcagctccc   gagacgttca   cagcttgtct   gtaagcggat   gccgggagca   gacaagccc
101  tcagggcgccg   tcagcggggtg   ttggcggggt   tcggggctgg   ccttaactatg   cgccatcaga   gcagattgta   ctgagagtg   accatattgcg   gtgtgaaata
201  ccgcacagat   gcgtaaggag   aaaataccgc   atcaggccgc   attgcacct   caggctcgc   aactgttgg   aagggcgatc   ggtcgggcc   tcttcgctat
301  tacgccagct   ggcgaaaagg   ggatgtgtg   caagycgatt   aaagtgggta   agccagggt   tttcccagtc   acgacgttgt   aaaacgacgg   ccagtgaatt
401  ggagacgtgt   taacaagctt   ggatccgata   tcgctagcgc   ggccgccacc   atggctcggg   gctgggtgcg   gccgagccgt   gtgcctctgt   gcgccgggc
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1301  ccaagtgcga   agcagctccc   atgccgaga   gcccggatg   tgcgcccag   gaatgtgca   atccgcatc   ggcgctccc   ggcggggcc   cccagctgta
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1501  tccagcagc   aattccctga   gctggggagg   ggccatgct   actgcccga   aagtagcc   ccccggggc   cagatggaag   gcccggtg   ctttacgcag   aataaaaacg
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1801  gatctggaga   tcccactcat   cacocagcac   aacagggcca   aactcaaga   gatcagctt   tccacagta   ggttcatgga   ggagctggg   gaggacggg
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2001  ggcggaggag   ttcggcgaag   agcagatgt   ccgggcccga   ctgcagccc   ccaacatcgt   ctgcccctca   ggcgtctga   ccaagggac   acccttgacc
2101  atgatcttca   gtaagtgttc   actggggac   ctccatggt   tctgtgcat   gcgctcggc   cactcagatg   tgggacgac   cgaatgcac   gccacgtga
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2301  caacgcgcaat   gtgctggtgt   acgacaagt   gaactgtgag   atctcaagt   ttggcctct   ccgtgagta   tactccgag   atactacaa   actcatgggc
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> RDC2184 Translated Insert Sequence

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201  eienritaaf   tmigtstqls   dqcsqfai   fchfvfplcd   arsrapkpr   lordecevl   ndlcrqeyt   arsnplimr   lqlpkcealp   mpespaanc
301  mrigipaerl   gryhqcyns   gadyrgmast   tksghqcpw   alqhpshrl   sstefpelgg   ghaycrnpg   qmepwpcftq   nkivrvelc   vpcsprdgs
401  kmgilyilvp   siaiplvia   lfflvcmcrn   kqkasastpq   rrlqlmasps   dmemplisgh   kqaklkeisl   stvrfmeelg   edrfgkvkyg   hlfgpapgq
501  tqavaiktik   dkaeplree   frqeamlrar   lqhpnlvcll   gvvtkdqpl   nifysychgd   lhelvlmrs   hsdvgstddd   rtkvsalepp   dfvhvvaqia
601  agmeflssh   vvhkdlatrn   vlvydklnvr   isdlglfrev   ysadyklmg   nsllpirwms   peavmygkfs   idsdiwsgy   vlwevfygl   qpyccynqd
701  vmemirsrv   lpcpddcpaw   vyalmiecwn   efprrprfk   dihsrlrsw   nlsnynsaaq   tsgasnttqt   sslstpsvn   vsnarymapk   qkaqfpqqq
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