

Product datasheet for **RR200451**

Knq2l1 (NM_012741) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Knq2l1 (NM_012741) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Knq2l1
Synonyms:	kininogen; KINKG; KINKH; Knq1; Knq2; Knqk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR200451 representing NM_012741
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTAATTACTATCCTGCTCCTCTGCTCCAGGCTCCTGCCAAGTTTAGCGCAGGAAGAAGATGCCC
 AGGAAATGGACTGCAATGATGAGAGTCTTTTCAGGCTGTGGATACTGCTCTGAAGAAATATAATGCTGG
 GTTAAAAAGTGGCAACCAAGTTTGTGTTGTACCAAGTACTGAGGGCACTAAGAAGGATGGCTCTAAACA
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 GATTTTGATCTCCTCGATGCTCTTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RR200451 representing NM_012741
 Red=Cloning site Green=Tags(s)

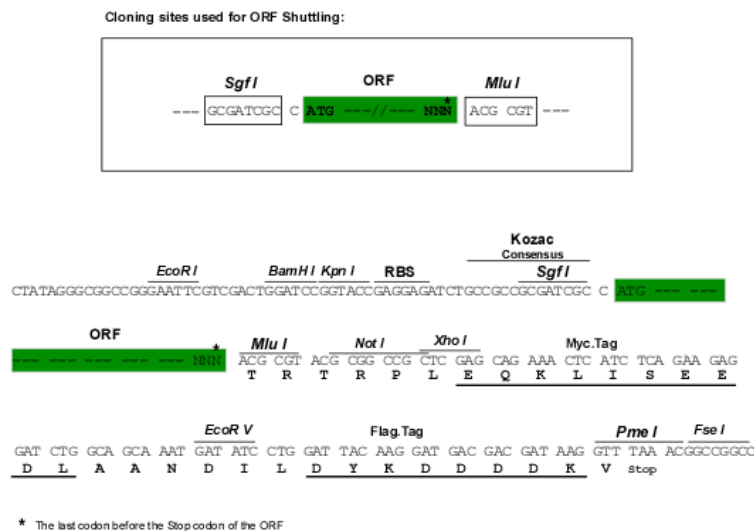
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 DFDLLDAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_012741

ORF Size: 1917 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_012741.1](#), [NP_036873.1](#)

RefSeq Size: 2100 bp

RefSeq ORF: 1920 bp

Locus ID: 25087

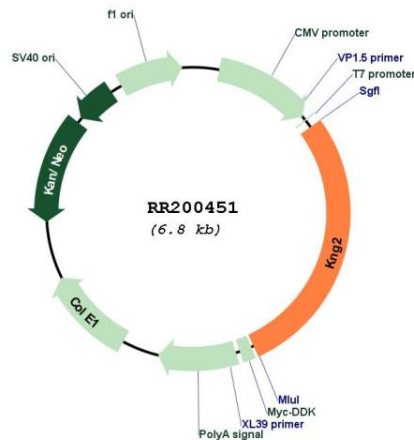
UniProt ID: [P08934](#)

Cytogenetics: 11q23

MW: 70.9 kDa

Gene Summary: precursor protein of kinin which is found in plasma; cysteine protease inhibitor and a major acute phase reactant [RGD, Feb 2006]

Product images:



Circular map for RR200451