

Product datasheet for **RR200450**

Knq2l1 (NM_001102418) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Knq2l1 (NM_001102418) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Knq2l1
Synonyms: kininogen; KINKG; KINKH; Knq1; Knq2; Knqk
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200450 representing NM_001102418
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCTAATTACTATCCTGCTCCTCTGCTCCAGGCTCCTGCCAAGTTTAGCGCAGGAAGAAGATGCC
AGGAAATGGACTGCAATGATGAGAGTCTTTTCAGGCTGTGGATACTGCTCTGAAGAAATATAATGCTGG
GTTAAAAAGTGGCAACCAGTTTGTGTTGTACCAAGTACTGAGGGCACTAAGAAGGATGGCTCTAAAACA
TTTTATTCTTCAAGTATCAAATCAAGGAGGAAACTGCTCTGTTCAAGTGGCTTCGCCTGGCAGGACT
GCGACTTCAAGGACGCTGAGGAAGCCGCTACTGGTGAATGCACAGCAACTTTGGAGAAGAGAAGAAATAA
TAAATTCTCCATAGCCACCCAGATCTGCAATATTACTCCGGTAAGGGTCCCATAGTGACAAACGAGTAC
CACTGTCTGGGGTGTATGCACCCATCTCGGTGGATAGCCAGAGTTGGGGCCTGTTCTGAAACACGCTG
TGGAGCATTTCACAACAACACGAAGCACCCACCTCTTTGCTCTCGGAGAAGTAAAGAGTGCTGACAG
ACAGGTGGTAGCTGGCATGAATTATCAAATTATCTACTCCATTGTCAAACAAATTTGTTCAAAGGAGGAT
TTTCCTCCCTCCATGAAGACTGCGTGCCCTTCCCAGTGGTATGATGGTGAATGTAAGGGTAATGCCT
TCGTGGATATTCATAAAACAATTGCCGGTCTCAGACAGCTGTGAATTTTATCCAGGAGATGATTTGTT
CGAACTACTTCCAGGATTGCCCTGGCTGCCAGAAACATACCTGTAGACAGCCAGAGCTGAAGGAG
GCACTTGGTCATTCCATTGCACAACCTAATGCAGAGAATAACCATACTTTCTATTCAAGATTGACACCG
TGAAAAAGGCAACATCACAGGTGGTTGCTGGAACAAAATATGTGATTGAGTTCATAGCCAGAGAAACCAA
ATGTTCCAAGGAAAGTAACGCAGAACTGACAGCAGATTGTGAGACCAAACGCCTCGGTCAAAGCCTCAAC
TGCAATGCTAACGTGTACATGAGACCTGGGAGAACAAGTCGTCCCGACTGTCAAATGCAAAGTACTAG
ACATGACATCAGTGATAAGAAGGCCTCCAGATTTTACCTTTCCGGGCACCTCGAGTAAAAAGCCTAA
AGAAAGTACAAC TAGGCTCCTAAACTCATGTGAGTACAAGGCAGACTCTAAAGGCAGGGGCAGGCCCA
GCGCTGAGCGTCAGGCAGAAGCTTCAACCGTGACACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR200450 representing NM_001102418
 Red=Cloning site Green=Tags(s)

MKLITILLCSRLPLSLAQEEDAQEMDCNDESLFQAVDTALKKYNAGLKSGNQFVLYQVTEGTTKDGSKT
 FYSFKYQIKEGNCSVQSGFAWQDCDFKDAEEAATGECTATLEKRRNNKFSIATQICNITPGKGPVITNEY
 HCLGCMHPISVDSPELGPVLKHAVEHFNNNTKHTHLFALGEVKSADRQVVAGMNYQIIYSIVQTNCSKED
 FPSLHEDCVPLPSGDDGECKGNFVDIHKTIAGFSDSCEFYPGDDLPELLPEDCPGCPRNIPVDSPELKE
 ALGHSIAQLNAENNHTFYFKIDTVKKATSQVVAGTKYVIEFIARETKCSKESNAELTADCEKRLGQSLN
 CNANVYMRPWENKVVPTVKCKVLDMTSVIRRPVGFSPFRAPRVKPKESTTRLLNSCEYKGRLLKAGAGP
 APERQAEASTVTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

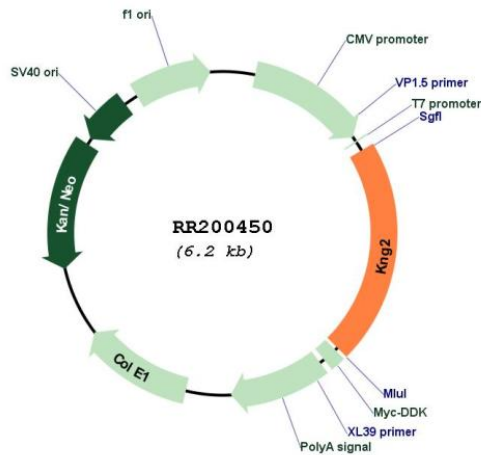
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001102418

ORF Size:	1299 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_001102418.1 , NP_001095888.1
RefSeq Size:	1565 bp
RefSeq ORF:	1302 bp
Locus ID:	25087
Cytogenetics:	11q23
MW:	47.9 kDa
Gene Summary:	precursor protein of kinin which is found in plasma; cysteine protease inhibitor and a major acute phase reactant [RGD, Feb 2006]