

## Product datasheet for **RR206876**

### **Ilk (NM\_133409) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ilk (NM_133409) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ilk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR206876 representing NM\_133409  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACGACATTTTCACTCAGTGCCGGGAGGGCAACGCGGTGGCGGTGCGCTTGTGGCTGGACAACACAG  
 AGAACGACCTAAATCAGGGGGATGATCATGGCTTCTCCCTTTGCACTGGCCTGCCGAGAAGGCCGATC  
 TGCAGTGGTTGAAATGCTGATCATGCGGGGAGCACGGATCAATGTGATGAATCGTGGGGATGATACCC  
 CTGCACCTTGGCAGCTAGTCACGGACACCGTGACATTGTACAGAAGCTGTTGCAATACAAGGCTGACATCA  
 ATGCAGTGAATGAACATGGGAATGTGCCCTTCACTATGCATGTTTCTGGGGCCAAGACCAGGTGGCAGA  
 GGACCTAGTAGCTAACGGGGCTTGTGAGCATCTGTAACAAGTATGGAGAGATGCCTGTGGACAAAAGCC  
 AAGGCACCCCTTCGAGAGCTTCCGAGAACGGGCAGAGAAGTGGCCAGAATCTAATCGTATCCAT  
 ACAAGGACACATTCTGGAAGGGGACCACTCGCACAAAGCCCGAAATGGGACCTGAACAAACACTCTGG  
 TATTGACTTCAAACAGCTCAACTTCTGGCAAAGCTCAACGAGAATCATTCTGGAGAGCTATGAAAAGGC  
 CGCTGGCAGGGCAATGACATTGTTGTGAAGGTGCTGAAGTTCGAGACTGGAGTACAAGGAAAAGCAGGG  
 ACTTCAATGAGGAATGTCCCGGCTCAGGATTTCTCTCATCCTAACGTGCTCCGGTACTAGGTGCTTG  
 CCAGGCTCCCCAGCTCCCCACCAACCCTCATCACACTGGATGCCATATGGATCTCTCTACAATGTT  
 CTACATGAAGGCACCAATTTCTGTGGACCAGAGCCAAGCTGTAAGTTTCTTTGGACATGGCAAGAG  
 GCATGGCTTTTCTCATACTAGAGCCTCTACACCTCGGCACGCACTCAATAGCCGTAGTGAATGAT  
 CGATGAAGATATGACTGCCCGAATCAGCATGGCTGATGTAAGTTTCTTTCCAGTGCCTGGGCGCATG  
 TATGCACCTGCCTGGGTGGCCCTGAAGCCCTGCAAAAGAAGCCTGAAGATACAAACAGACGCTCAGCAG  
 ACATGTGGAGTTTGCCTGCTTCTGTGGAACTGGTGACACGAGAGGTGCCCTTTGCTGACCTTTCTAA  
 TATGGAGATTGGAATGAAGTGGCACTGGAAGCCCTTCGGCCTACTATCCCACCAGGTATTTCCCCCAC  
 GTGTGAAGCTCATGAAGATTTGCATGAATGAAGACCCTGCAAAGCGACCCAAGTTTGACATGATTGTAC  
 CTATCTTGAGAAGATGCAGGACAAGCTATCTTGAGAAGATGCAGGACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206876 representing NM\_133409  
 Red=Cloning site Green=Tags(s)

MDDIFTQCREGNAVAVRLWLDNTENDLNQGDHGF SPLHWACREGRS AVVEMLI MRGARINVMNRGDDTP  
 LHLAASHGHRDI VQKLLQYKADINAVNEHGNVPLHYACFWGQDQVAEDL VANGALVSI CNKYGEMPVDKA  
 KAPLRELLRERAEKMGQNLNRIPYKDTFWKGTTRTRPRNGTLNKHSGIDFKQLNFLAKLNENHSGELWKG  
 RWQNDI VVKVLKVRDWSTRKSRDFNEECPRLRIF SHPNVLPVLGACQAPPAPHPPTLITHWMPYGSLYNV  
 LHEGTFVVDQSQAVKFA LDMARGMAFLHTLEPLIPRHALNSRSMIDEDMTARISMADVKFSFQCPGRM  
 YAPAWVAPEALQKKPEDTNRSDMWSFAVLLWELVTREVPFADLSNMEIGMKVALEGLRPTIPPGISPH  
 VCKLMKICMNEDPAKRPKFDMIVPILEKMQDKLSWRRCRT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1653\\_a12.zip](https://cdn.origene.com/chromatograms/ja1653_a12.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_133409

**ORF Size:** 1356 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 Size:** 1770 bp

**RefSeq ORF:** 1359 bp

**Locus ID:** 170922

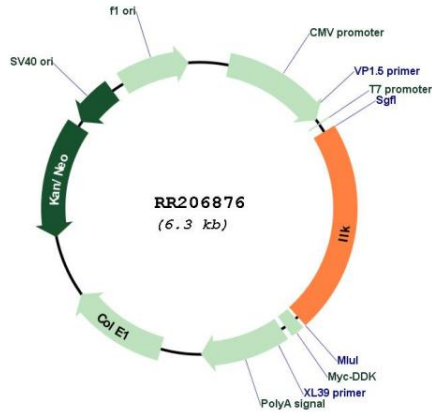
**UniProt ID:** [Q99J82](#)

**Cytogenetics:** 1q32

**MW:** 51.4 kDa

**Gene Summary:** serine/threonine kinase involved in intracellular signal transduction [RGD, Feb 2006]

**Product images:**



Circular map for RR206876