

Product datasheet for **RR214983**

Ulk1 (NM_001108341) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ulk1 (NM_001108341) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ulk1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214983 representing NM_001108341
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAGCCGGGCCGCGCGCGCTCGAGACCGTGGCAAGTTCGAGTTCCTCGCAAAGACCTGATTGGAC
 ACGGCGCCTTCGCGTGGTCTTCAAGGGTCGACACCGCGAGAAGCAGCACCTGGAGTGGCCGTCAAATG
 CATTAAACAAGAAGAACCTTGCCAAAGTCCAGACACTGCTAGGAAAGGAAATCAAATCCTGAAGGAACTA
 AAGCACGAAAACATTGTGGCGTTGATGACTTCCAGGAGATGGCCAATTCTGTCTACCTGGTCATGGAGT
 ATTGTAATGGTGGAGACCTGGCTGACTACCTGCACACTATGCGCACACTGAGTGAAGACACTGTCAGGCT
 GTTCTACAACAGATTGCAGGTGCCATGCAGCTGCTACACAGCAAGGGCATCATTACCCTGATTTGAAG
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 CATGGCCCTGAGGTTATCATGTCCAGCACTACGATGGGAAGGCTGACCTGTGGAGCATTGGCACCATT
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 CTCTGTGCTGAGCACTCTCCACGAACCACCGGCTGGGTGCCGCTGCACAGTCCCCCAACCTTTCG



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GACTTCCATGTCGTTTCGTCCTCAAGCTGCCTAAGCCTCCAACAGACCCACTGGGAGCTACCTTCAGCCCAC
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 GCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR214983 representing NM_001108341
 Red=Cloning site Green=Tags(s)

MEPGRGGVETVGKFEFSRKDLIGHGAFVVFVKGRHREKHDLEAVKCIKKLAKSQTLLGKEIKILKEL
 KHENIVALYDFQEMANSVYLVMEYCNGDLADYLHMTLSEDTVRLFLQQIAGAMQLLHSGKGIHRDLK
 PQNILLSNPGRRANPSNIRVKIADFGFARYLQSNMMAATLCGSPMYMAPEVIMSQHYDGKADLWSIGTI
 VYQCLTGKAPFQASSPQDLRLFYEKNKTLVPAIPRETSAPLRQLLLALLQRNHKDRMDDFEFHHPFLDA
 STPIKKSPPVPVPSYPSSGSGSSSSSSASHLASPPSLGEMPQLQKTLTSPADAAGFLQGSRDSSGSSKD
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 RKLSLGGGRPYTPSPQVGTIPERPSWSRVSPQGADVRAGRSPRPGSSVPEHSPRTTGLGCRHSAPNLS
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 DFPKAPSSQSLLTLLARQGVMTPPRNRTLPLDSEAGPFQGGQLGSLRPAEDTRGPFGRSFSSTRLTDL
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 LSSGLQTAIDQIRAGKLCSSSTVKQVRRRLNELYKASVVCQGLSLRLQRFFLDKQRLLDGIHGVTALERL
 ILSHAVQMVQSAALDEMFAQHRESCVPRYHKALLLLEGLQHTLTDQADIENIAKCKLCIERRLSALLSGVY
 A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

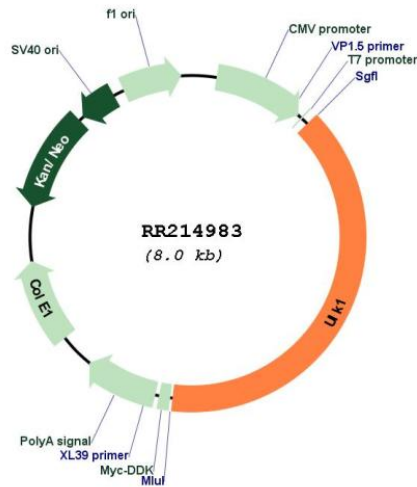
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001108341

ORF Size:

3153 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:	<u>NM_001108341.1</u> , <u>NP_001101811.1</u>
RefSeq Size:	4889 bp
RefSeq ORF:	3156 bp
Locus ID:	360827
Cytogenetics:	12q16
MW:	112.4 kDa
Gene Summary:	predicted to have similarity to <i>C. elegans</i> serine/threonine kinase UNC-51 [RGD, Feb 2006]