

Product datasheet for **RN214983**

Ulk1 (NM_001108341) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ulk1 (NM_001108341) Rat Untagged Clone
Tag: Tag Free
Symbol: Ulk1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214983 representing NM_001108341
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCGGGCCGGCGGGCGCTCGAGACCGTGGCAAGTTCGAGTCTCTCGCAAAGACCTGATTGGAC
 ACGGCGCCTTCGCGTGGTCTTCAAGGGTCGACACCGGAGAAGCAGCACCTGGAGTGGCCGTCAAATG
 CATTAAACAAGAAGAACCTTGCCAAGTCCCAGACACTGCTAGGAAAGGAAATCAAAATCCTGAAGGAACTA
 AAGCACGAAAACATTGTGGCGTTGTATGACTTCCAGGAGATGGCCAATTCTGTCTACCTGGTCATGGAGT
 ATTGTAATGGTGGAGACCTGGCTGACTACCTGCACACTATGCGCACACTGAGTGAAGACACTGTCAGGCT
 GTTCTACAACAGATTGCAGGTGCCATGCAGCTGCTACACAGCAAGGGCATCATTACCCTGATTTGAAG
 CCCCAGAACATCCTGCTGTCCAATCCCAGGGTTCGACGTGCCAACCCAGCAACATCCGAGTCAAGATTG
 CTGACTTTGGATTTGCCCGTACCTCCAGAGCAACATGATGGCGCCACGCTCTGTGGCTCTCTATGTA
 CATGGCCCTGAGGTTATCATGTCCAGCACTACGATGGGAAGGCTGACCTGTGGAGCATTGGCACCATT
 GTCTACCAGTGTCTGACAGGGAAGGCCCTTTTCAGGCCAGCAGCCCTCAGGATTTGCGCCTGTTTTATG
 AGAAGAACAAGACACTAGTTCCTGCCATCCCACGGGAGACATCAGCTCCCCTGCGGCAGTTGCTTCTGGC
 TCTATTGCAGCGTAACCAAGGACCGCATGGACTTTGATGAATTTTCCACCACCTTTCTTAGATGCC
 AGCACCCCATCAAGAAATCCCCACCTGTGCCTGTGCCCTCATATCCAAGCTCAGGGTCCGGCAGCAGCT
 CCAGCAGCAGCTCTGCCTCCCACCTGGCATCTCCCCCGTCCCTGGGGGAGATGCCCAACTGCAGAAGAC
 CCTTACCTCCCCAGCTGATGCTGCTGGCTTTCTGCAGGGGTCCCGGGACTCTGGTGGCAGTAGCAAAGAC
 TCCTGTGACACAGATGACTTTGTATGGTCCCAGCCAGTTTCCAGGTGATCTAGTCCCTGAGGCAGCCA
 GTGCCAAGCCCCACCTGACAGTCTGCTGTGTAGTGGGAGCTCACTGGTGGCCTCTGTGGCCTAGAGAG
 CCATGGCCGTACCCATCTCCCTCTCCGACCTGCAGCAGCTCTCCAGCCCTCTGGCCGGCCTGGCCCC
 TTCTCCAGCAACAGGTACGGTGCCTCGGTCCCCATTCTGTCCCCTCAGGTGCACAACCTACCAGCGCA
 TCGAGCAGAACCCTGCAGTCACTACTCAACAGCAGACAGCCGGTCTTCTGCCATCCGAAGGTCAAGTAG
 CACCAGCCCCCTGGGCTTTGGTCCGGCCAGCCATCACCTCCCTCGCACACTGATGGAGCCATGCTGGCC
 AGGAAGCTGTCACTAGGAGGTGGCCGCTCCCTACACACCCTCTCCCCAAGTGGGAACCATCCAGAGCGGC
 CCAGCTGGAGCAGAGTACCCTCCCCACAAGGAGCTGATGTGCGGGCTGGCAGGTACCACGACCAGGCTC
 CTCTGTGCTGAGCACTCTCCACGAACCACCGGCTGGGCTGCCGCTGCACAGTCCCCCAACCTTTCG



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GACTTCCATGTCGTTTCGTCCTCCCAAGCTGCCTAAGCCTCCAACAGACCCACTGGGAGCTACCTTCAGCCCAC
 CCCAGACCAGCGCACCCAGCCATGCCAGGGCTACAGTCTTGCCGGCCACTGCGTGGCTCACCTAAGCT
 GCCTGACTTCTACAGCGGAGTCCCCTACCCCCATCCTAGGCTCTCTACTAAGGCTGGACCCTCGTTT
 GACTTCCCAAAGCCCCAGCTCTCAGAGTTTGTCTGACCTGTTGGCTAGGCAGGGTGTAGTAATGACAC
 CACCTCGGAACCGTACACTGCCTGACCTCTCAGAGGCGGGTCTTTCCAGGGCCAGCAGCTGGGCTCTGG
 CCTACGGCCCCGCGAAGACACAAGGGGCCCTTTGGCCGGTCTTCAGCACCCAGCCGCTTACGGACCTG
 CTGCTTAAGGCTGCATTTGGGACACAGGCCTTGACTCAGGCAGCACTGACAGCCTACAGGAGAAACCTA
 TGGAGATTGCTCCCTCTGCTGGTTTTGGAGGGACTCTGCATCCAGGAGCTCGTGCTGGAGGGCAAGCAG
 CCCAGCACCTGTGGTATTTACTGTGGGCTCCCCACCCAGTGGTACCACCCACCCAGAGTACCCGCACC
 AGAATGTTCTCAGTGGGCTCTTCCAGCTCCCTGGGCTCGACTGGCTCCTCTGCCCCGCACTTAGTGC
 CTGGGGCTTGTGCAGAGGCCCGGAGCTTTCTGCCCCAGGCTACTGCTGTAGCCTTGCTGACCCCTTGC
 TGCCAACCTGGAGGGGGCTGTGACCTTCGAGGCTCCTGACCTCCCAGAGGAGACCCTCATGGAGCAAGAG
 CACACGGAACCCCTACACAGCCTGCGCTTCACACTAGCGTTTGCACAGCAAGTTCTGGAGATTGCAGCCC
 TGAAGGGCAGTGCCAGTGAGGCAGCCGGGGCCCTGAGTACCAGCTTCAGGAAAGTGTGGTGGCTGACCA
 GATCAGTCAGTTGAGCCGAGAGTGGGGCTTTCAGAGCAACTGGTTCTGTACTTGAAGTGGCTGAGCTG
 CTCTCTCAGGCTTACAGACTGCCATTGACCAGATTTCGAGCTGGCAAGCTCTGCCTTTCTGCTACTGTGA
 AGCAGGTGGTACGCAGACTAAATGAGCTGTATAAGGCCAGCGTGGTATCCTGCCAGGGCCTCAGTCTGCG
 GCTTACGCGCTTCTTTTGGACAAGCAACGGCTGCTGGATGGATCCATGGTGTCACTGCAGAGCGGCTT
 ATCCTCAGCCATGCTGTGCAGATGGTACAATCAGCTGCACTCGATGAGATGTTCCAGCACCAGAGAGCT
 GTGTACCTCGATATCACAAAGCCCTGCTGTTGTTGGAGGGGCTGCAGCACACTCTCACGGACCAGGCAGA
 CATTGAGAACATTGCCAAATGCAAGCTGTGCATTGAGAGGAGACTCTCGGCCCTGCTGAGTGGCGTCTAT
 GCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001108341
- Insert Size:** 3156 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001108341.1, NP_001101811.1
- RefSeq Size:** 4889 bp
- RefSeq ORF:** 3156 bp

Locus ID: 360827
Cytogenetics: 12q16
Gene Summary: predicted to have similarity to *C. elegans* serine/threonine kinase UNC-51 [RGD, Feb 2006]