



Catalog Number: HG12031-G

## General Information

Gene Bank Ref. ID : NM\_003565.2

cDNA Size: 3153

Gene Name Synonym :

ATG1; UNC51; Unc51.1; FLJ38455; FLJ46475; ULK1

Source: Human

## Description

cDNA Description :

ORF Clone of Homo sapiens unc-51-like kinase 1 (C. elegans) DNA.

Vector :

pGEM vector.

Sequence Description :

Identical with the Gene Bank Ref. ID sequence except for three point mutations: 1065 C/T and 2247 T/C not causing the amino acid variation, 2446 A/G resulting in the amino acid Thr substitution by Ala.

## Shipping

1. 5 - 10µg Plasmid DNA is shipped on Whatman FTA elute card ( Catalog Number: WB120410 ) at room temperature.
2. It would take 3 - 5 days for delivery typically. For bulk orders, additional 1 - 2 weeks would be needed.

## Usage Protocol

1. Remove the marked edge in the center of the spot.
2. Transfer the filter paper to a 1.5ml microfuge tube containing 50-100 µl of sterile H<sub>2</sub>O. Ensure the filter is completely immersed in the H<sub>2</sub>O by briefly centrifuging the tube for 10 seconds.
3. Transfer the tube to a heating block at 95°C for 15 - 30 min.
4. At the end of the incubation period remove the sample from the block and pulse vortex, or gently tap, the sample approximately 60 times.
5. Briefly centrifuge for 30 seconds, to separate the matrix from the elute. The elute now contains the purified DNA.

## cDNA Sequence and Quality Control

Sequence :

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ATGGAGCCCGGCCGGCGGGCCACAGAGACCGTGGGCAAGTTCGAGTTCTCCG
GCAAGGACCTGATCGGCCACGGCGCCTTCGCGGTGGTCTTCAAGGGCCGCCA
CCGCGAGAAGCAGGATTTGGAGGTGCGCGTCAAGTGCATTACAAGAAGAACC
TCGCCAAGTCTCAGACGCTGCTGGGGAAGGAAATCAAATCCTGAAGGAAGT
AAACATGAAAACATCGTGGCCCTGTACGACTTCCAGGAAATGGCTAATTCTGT
TACCTGGTTATGGAGTACTGCAACGGTGGGGACCTGGCCGACTACCTGCACGC
CATGCGCACGCTGAGCGAGGACACCATCAGGCTCTTCTCGACGACGATCGCGG
GCGCCATGCGGCTTCTGCACAGCAAAGGCATCATCCACCGCAGCTGAAACCG
CAGAACATCCTGCTGTCCAACCCCGCCGGCCGCGCCAAACACAGCAT
CCGCGTCAAGATCGTGAACCTTGGCTTCCGCGCGGTACCTCCAGAGCAACATGA
TGGCGGCCACACTCTGCGGCTCCCCATGTACATGGCCCCGAGGTCATCATG
TCCAGCACTACGACGGGAAGGCGGACCTGTGGAGCATCGGCACCATCGTCTA
CCAGTGCCTGACGGGAAGGCGCCCTTCCAGGCCAGCAGCCCCAGGACCTG
CGCCTGTTCTACGAGAAGAACAAGACGTTGGTCCCCACCATCCCCCGGGAGAC
CTCGGCCCGCTGCGGCAGCTGCTCTGGCCCTACTGCAACGCAACCACAAGG
ACCGCATGGACTTCGATGAGTTTTTTCATCACCCCTTCTCGATGCCAGCCCTC
GGTCAGGAAATCCCCACCCGTCCTGTGCCCTCGTACCCAAGCTCGGGGTCCG
GCAGCAGCTCCAGCAGCAGCTCCACCTCCACCTGGCCTCCCCCGCTCCCTG
GGCAGATGCAGCAGCTGCAGAAGACCCCTGGCCTCCCCGGCTGACACCGCTG
GCTTCTGCACAGCTCCCGGGACTCTGGTGGCAGCAAGGACTCTTCTGTGAC
ACAGATGACTTCGTATGGTCCCCGCGCAGTTTCCAGGTGACCTGGTGGGTGA
GGCGCCAGTGCCAAACCCCGCCAGACAGCCTGATGTGACAGTGGGAGCTCA
CTGGTGGCCTCTGCGGGCTTGGAGAGCCACGGCCGACCCCATCTCCATCCC
CACCTGCAGCAGCTCCCCAGTCCCTCAGGCCGGGTGGCCGTTCTCCAGC
AGCAGTGGCGGCTCTGTCCCATCCAGTCCCAACGCAAGTGCAGAACTA
CCAGCGCATTGAGCGAAACCTGCAGTACCCACCCAGTTCCAAACACCTCGGT
CCTCTGCCATCCGAGGTGAGCAGCAGCCAGCCCTGGGCTTTGCAAGGGCC
AGCCCTCGCCCTGCCACGCTGAGCATGGAGGCGTCTGGCCAGGAAGA
TGTCTCTGGGTGGAGGCCGGCCCTACACGCCATCTCTCAAAGTTGGAACCATC
CTGAGCGGCCAGGCTGGAGCGGGACGCCCTCCACAGGGAGCTGAGATGC
GGGGTGGCAGGTCCTCGTCCAGGCTCTGTGACCCGAGCAGCTCTCCCGC
CACTTCCGGGCTGGGCTGCCGCTGCACAGCGCCCCAACCTGTCTGACTTGC
ACGTCGTCCGCCCAAGTGCACAAACCCCCACGGACCCCTGGGAGCTGT
GTTAGCCACACAGGCCAGCCCTCCCGAGCCGTTCCAGGCCCTGACAGTCT
GTTCCATGGTGCAGCGTGGCCCTGGCCTGCGGCCAGGCGAGGACCCCA
AGGGCCCTTTGGCCGTTTTCAGCACCAGCCGCTCACTGACCTGCTCCTT
AAGGGCGGCTTTGGGACACAAGCCCGGACCCGGGACGACGGAGAGCCTGC
AGGAGAAGCCCATGGAGATCGACCCCTCAGTGGCTTTGGAGGGAGCCTGCAC
CCAGGAGCCCGTGTGGGGGACCAGCAGCCCTCCCCGGTGGTCTTACCAG
TGGGCTCTCCCGGAGCGGGAGCAGCCCCCGAGGGCCCGCCAGCAGGAT
GTTCTCAGCGGGCCCACTGGCTGTGCCAGCTTCTGCGCCGCACTGTGTC
CTGGGCCCTGCAGCGAGGCCCCAGCCCTGAGCTCCCTGCTCCAGGACAGG
CTGCAGCTTTGCCGACCCATTGCTGCGAACCTGGAGGGGCTGTGACCTTGC
AGGCCCCGACCTCCCTGAGGAGACCCTCATGGAGCAAGAGCACGAGGATC
CTGCTGGCCCTGCGCTTACGCTGTGTTCTGTCAGCACGCTCTGGAGATCGC
AGCCCTGAAGGGCAGCGCCAGTGGAGCGGGGGGGCCCTGAGTACCAGCT
CGAGGAGAGTGTGGTGGCCGACAGATCAGCTGCTGAGCCGAGAATGGGG
TTCCGGAAACAGTGGTGTACCTGAAGGTGGCCGAGTACTGCTCCTCCGG
CCTGCAAAGTGCATCGACAGATCCGGGCCGGCAAGCTCTGCTGTGCTTCA
CTGTGAAGCAGGTGGTGGCAGGCTGAATGAGCTGTACAAGGCCAGCGTGGT
GCTCTGCCAGGCTGAGCCTGCGGCTGACGCGCTTCTCTGGCAAGCAGC
GGCTCTGGACCGCATTACAGCATCACTGCCGAGAGGCTCATCTTCCAGCCAC
GCTGTGACAGTGGTGCAGTGGCTGCCCTGGACGAGATGTTCCAGACCCGTA
GGGCTCGTCCACGCTACCACAAGGCCCTGCTGCTCTGGAGGGGCTGCAG
CACATGCTCTGGACACCGGACATCGAGAACCTGCAACAGTGCAGAGCTGTG
CATTGAGCGGAGACTCTGGCGCTGCTGACTGGCATCTGTGCTGA
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Quality Control:

The sequencing result is available upon request.