

STK11 cDNA

Catalog Number: ATGD0186

PRODUCT INFORMATION

Catalog number

ATGD0186

Product type

cDNA

Species

Human

NCBI Accession No.

NP_000446.1

Alternative Names

Serine/threonine-protein kinase 11, Polarization-related protein LKB1, PJS

mRNA Refseq

NM_000455.4

OMIM

602216

Chromosome location

19p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1302bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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STK11, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

DATA

Sequence nucleotides

ATGGAGGTGGTGGACCCGAGCAGCTGGGCATGTTACGGAGGGCGAGCTGATGTCGGTGGGTATGGACACGTTTCATCCA
CCGCATCGACTCCACCGAGGTCATCTACCAGCCGCGCCGCAAGCGGGCCAAGCTCATCGGCAAGTACCTGATGGGGGACC
TGCTGGGGGAAGGCTCTTACGGCAAGGTGAAGGAGGTGCTGGACTCGGAGACGCTGTGCAGGAGGGCCGTCAAGATCCT
CAAGAAGAAGAAGTTGCGAAGGATCCCCAACGGGGAGGGCCAACGTGAAGAAGGAAATTCAACTACTGAGGAGGTTACGGC
ACAAAAATGTCATCCAGCTGGTGGATGTGTTATACAACGAAGAGAAGCAGAAAAATGTATATGGTGATGGAGTACTGCGTGT
GTGGCATGCAGGAAATGCTGGACAGCGTGCCGGAGAAGCGTTTCCCAGTGTGCCAGGCCACGGGTACTTCTGTCAGCTG
ATTGACGGCCTGGAGTACCTGCATAGCCAGGGCATTGTGCACAAGGACATCAAGCCGGGGAACCTGCTGCTCACCACCGG
TGGCACCCTCAAAATCTCCGACCTGGGCGTGGCCGAGGCACTGCACCCGTTTCGCGGCGGACGACACCTGCCGGACCAGCC
AGGGCTCCCCGGCTTTCCAGCCGCCGAGATTGCCAACGGCCTGGACACCTTCTCCGGCTTCAAGGTGGACATCTGGTCGG
CTGGGGTCAACCCTCTACAACATCACCACGGGTCTGTACCCCTTCGAAGGGGACAACATCTACAAGTTGTTTGAGAACATCGG
GAAGGGGAGCTACGCCATCCCGGGCGACTGTGGCCCCCGCTCTCTGACCTGCTGAAAGGGATGCTTGAGTACGAACCGG
CCAAGAGGTTCTCCATCCGGCAGATCCGGCAGCACAGCTGGTTCCGGAAGAAACATCCTCCGGCTGAAGCACCAGTGCCCA
TCCCACCGAGCCCAGACACCAAGGACCGGTGGCGCAGCATGACTGTGGTGCCGTACTTGAGGACCTGCACGGCGCGGAC
GAGGACGAGGACCTCTTCGACATCGAGGATGACATCATCTACACTCAGGACTTCACGGTGCCCGGACAGGTCCCAGAAGA
GGAGGCCAGTCACAATGGACAGCGCCGGGGCCTCCCCAAGGCCGTGTGTATGAACGGCACAGAGGCGGCGCAGCTGAGC
ACCAAATCCAGGGCGGAGGGCCGGGCCCAACCCTGCCCGCAAGGCCTGCTCCGCCAGCAGCAAGATCCGCCGGCTGT
CGGCCTGCAAGCAGCAGTGA

Transaction Sequence

MEVVDPQQLG MFTEGELMSV GMDTFIHRID STEVIYQPRR KRAKLIGKYL MGDLLGEGSY GKVKEVLDSE TLCRRRAVKIL
KKKKLRRIPN GEANVKKEIQ LLRRLRHKNV IQLVDVLYNE EKQKMYMVME YCVCGMQEML DSVPEKRFPV CQAHGYFCQL
IDGLEYLHSQ GIVHKDIKPG NLLLTGGTL KISDLGVAEA LHPFAADDTC RTSQGSPAFQ PPEIANGLD TFSGFKVDIWS
AGVTLYNITT GLYPFEGDNI YKLFENIGKG SYAIPGDCGP PLSDLLKGML EYEPAKRFSI RQIRQHSWFR KKHPPAEAPV
PIPPSPDTKD RWRSM TVVPY LEDLHGADED EDLFDIEDDI IYTQDFTVPG QVPEEEASHN QRRRLPKAV CMNGTEAAQL
STKSRAEGRA PNPARKACSA SSKIRRLSAC KQQ