

ABI3 cDNA

Catalog Number: ATGD0281

PRODUCT INFORMATION

Catalog number

ATGD0281

Product type

cDNA

Species

Human

NCBI Accession No.

NP_057512.1

Alternative Names

NESH, SSH3BP3

mRNA Refseq

NM_016428.2

OMIM

606363

Chromosome location

17q21.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1101bp

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 BamH 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

ABI3 cDNA

Catalog Number: ATGD0281

ABI3 encodes a member of an adaptor protein family. Members of this family encode proteins containing a homeobox homology domain, proline rich region and Src-homology 3 (SH3) domain, and are components of the Abi/WAVE complex which regulates actin polymerization. The encoded protein inhibits ectopic metastasis of tumor cells as well as cell migration. This may be accomplished through interaction with p21-activated kinase. Alternative splicing results in multiple transcript variants.

DATA

Sequence nucleotides

```
ATGGCGGAGCTACAGCAGCTGCAGGAGTTTGAGATCCCCACTGGCCGGGAGGCTCTGAGGGGCAACCACAGTGCCCTGCT
GCGGGTCGCTGACTACTGCGAGGACAACCTATGTGCAGGCCACAGACAAGCGGAAGGCGCTGGAGGAGACCATGGCCTTCA
CTACCCAGGCACTGGCCAGCGTGGCCTACCAGGTGGGCAACCTGGCCGGGCACACTCTGCGCATGTTGGACCTGCAGGGG
GCCGCCCTGCGGCAGGTGGAAGCCCGTGTAAAGCACGCTGGGCCAGATGGTGAACATGCATATGGAGAAGGTGGCCCGAA
GGGAGATCGGCACCTTAGCCACTGTCCAGCGGCTGCCCGCCGAGAAAGTGCATCGCCCCAGAGAACCTACCCCTCTC
ACGCCCTACTGCAGGAGACCCCTCAACTTTGGCTGCCTGGACGACATTGGCCATGGGATCAAGGACCTCAGCACGCAGCTG
TCAAGAACAGGCACCCTGTCTCGAAAGAGCATCAAGGCCCTGCCACACCCGCCTCCGCCACCTTGGGGAGACCACCCCG
GATTCCCGAGCCAGTGCACCTGCCGGTGGTGGCCGACGGCAGACTCTCCGCCGCCTCCTCTGCGTCTTCCCTGGCCTCGGC
CGGCAGCGCCGAAGGTGTCGGTGGGGCCCCACGCCAAGGGGCAGGCAGCACCTCCAGCCCCACCTCTCCCCAGCTCCT
TGGACCCACCTCCTCCACCAGCAGCCGTGAGGTGTTCCAGCGGCCTCCACGCTGGAGGAGTTGTCCCCACCCACCG
GACGAAGAGCTGCCCTGCCACTGGACCTGCCTCCTCCTCCACCCCTGGATGGAGATGAATTGGGGCTGCCTCCACCCCA
CCAGGATTTGGCCTGATGAGCCAGCTGGGTGCCTGCCTCATACTGGAGAAAGTGGTGACACTGTACCCATACACCAGC
CAGAAGGACAATGAGCTCTCCTTCTCTGAGGGCACTGTCTGTGTCCTCGCCGCTACTCCGATGGCTGGTGCGAGGGC
GTCAGCTCAGAGGGGACTGGATTCTCCCTGGGAACATATGTGGAGCCCAGCTGCTGA
```

Transaction Sequence

```
MAELQQLQEF EIPTGREALR GNHSALLRVA DYCEDNYVQA TDKRKALEET MAFTTQALAS VAYQVGNLAG HTLRMLDLQG
AALRQVEARV STLGMVNMH MEKVARREIG TLATVQRLPP GQKVIAPENL PPLTPYCRRP LNFGCLDDIG HGIKDLSTQL
SRTGTLRKS IKAPATPASA TLGRPPRIPE PVHLPVVPDG RLSAASSASS LASAGSAEGV GGAPTPKGQA APPAPPLPSS
LDPPPPPAV EVFQRPTLE ELSPPPPDEE LPLPLDLPPP PPLDGDELGL PPPPPGFGPD EPSWVPASYL EKVVTLYPYT
SQKDNELSF S EGTVICVTRR YSDGWCEGVS SEGTGFFPGN YVEPSC
```