

## SF3B6 cDNA

Catalog Number: ATGD0165

### PRODUCT INFORMATION

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**Catalog number**

ATGD0165

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_057131.1

**Alternative Names**

CGI-110, HSPC175, Ht006, P14, SAP14, SAP14a, SF3B14, SF3B14a

**mRNA Refseq**

NM\_016047.3

**OMIM**

607835

**Chromosome location**

2p23

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

378bp

**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**

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SF3B14 encodes a 14 kDa protein subunit of the splicing factor 3b complex. Splicing factor 3b associates with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. This 14 kDa protein interacts directly with subunit 1 of the splicing factor 3b complex. This 14 kDa protein also interacts directly with the adenosine that carries out the first transesterification step of splicing at the pre-mRNA branch site.

### DATA

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#### Sequence nucleotides

```
ATGGCGATGCAAGCGGCCAAGAGGGCGAACATTCGACTTCCACCTGAAGTAAATCGGATATTGTATATAAGAAATTTGCCAT  
ACAAAATCACAGCTGAAGAAATGTATGATATATTTGGGAAATATGGACCTATTCGTCAAATCAGAGTGGGGAACACACCTGA  
AACTAGAGGAACAGCTTATGTGGTCTATGAGGACATCTTTGATGCCAAGAATGCATGTGATCACCTATCGGGATTCAATGTT  
TGTAACAGATACCTTGTGGTTTTGTACTATAATGCCAACAGGGCATTTCAGAAGATGGACACAAAGAAGAAGGAGGAACAGT  
TGAAGCTTCTCAAGGAGAAATATGGCATCAACACAGATCCACCAAATAA
```

#### Transaction Sequence

```
MAMQAAKRAN IRLPPEVNRI LYIRNLPYKI TAEEMYDIFG KYGPIRQIRV GNPETRGTA YVYEDIFDA KNACDHLSGF  
NVCNRYLVVL YYNANRAFQK MDTKKKKEEQL KLLKEYGIN TDPPK
```