

## Full-length cDNA Cloning Services

### Introduction:

Cloning and sequencing of full-length cDNA allows scientists to i) analyse the intron/ exon junctions; ii) deduce the amino acid sequence coded by the gene; iii) study the up-stream/ down-stream regulatory regions; iv) express the gene for protein expression studies; etc. Cloning of full-length cDNA can be achieved from any of the following information:

- Partial/ full-length cDNA sequence data
- Genomic clone sequence data
- Amino acid sequence data
- cDNA/ genomic DNA libraries

### Ordering Information:

Product	Size	Cat #
Full-length cDNA Cloning Services	Per Sample	105317

**Service Tax as applicable will be charged extra**

### Features:

- Cloning and sequencing of full-length cDNA irrespective of the gene size and the number of introns present.
- Bi-directional sequence data for the gene
- Cloned into any commercially available cloning and/ or expression vector
- Fast and reliable service

### Deliverables:

1. Full-length cDNA into a cloning vector
2. Bi-directional sequence data (both raw data and analysed data)
3. Project report

**Delivery Time:** Please Inquire

**Note:** Please Contact  
geneiservice@sanmargroup.com

## Cloning and Sequencing of Up-stream/ Down-stream Regions from Known Sequence

### Introduction:

Cloning and sequencing of up-stream and/or down-stream region of the gene of interest is of great importance as it contains regulatory elements. The up-stream sequences containing the promoter and/ or enhancer elements are important for gene expression regulation studies while down-stream regions containing the 3'-untranslated sequences are important for termination of transcription and mRNA stability analysis.

### Ordering Information:

Product	Size	Cat #
Cloning and Sequencing of Up-stream/ Down-stream Regions from Known Sequence upto 2 kb	Per Sample	105318

**Service Tax as applicable will be charged extra**

### Features:

- Cloning of up to 2 kb of up-stream or down-stream sequences from known sequence data
- Confirmed bi-directional sequence data
- Putative regulatory regions indicated
- Fast and guaranteed results

### Deliverables:

1. Cloned DNA containing up to 2 kb of up-stream/ down-stream sequence
2. Bi-directional sequence data (raw data as well as analysed and aligned data) with the putative regulatory regions indicated
3. Project report

**Delivery time:** 6-8 weeks

**Note:** Please Contact  
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