

## Cloning & Sequencing Services for Amplified Products

### Introduction:

Cloning and sequencing of PCR products are of major importance in Gene Cloning Experiments. Cloning of PCR products are known to be less efficient and the probable factors limiting the efficiency of cloning of PCR products are:

- Incomplete PCR products
- Incomplete restriction digestion of PCR products
- Majority of the molecules would have an extra A-overhang at the 3' - end, a fact contributed to Taq DNA Polymerase based PCR reactions.

Sequencing of PCR products using terminal primers (used for amplification) would usually generate incomplete sequence data at both ends.

Bangalore Genei offers the service for cloning and sequencing of PCR products that would enable the scientists to acquire complete and analysed sequence data of their PCR products.

**Note: Beyond 2 kb sequence service, each 0.5 kb will be charged an extra per sample.**

### Features:

- Sequencing of amplified product using amplification primers does not read the terminal 50 -100 bases on both ends. We provide complete bi-directional sequence data for the amplified product.
- Amplified products that are otherwise difficult to clone, are cloned and sequenced.
- Sequence data analysed, aligned and complete data provided.

### Deliverables:

1. Clone DNA (up to 5  $\mu$ g)
2. Sequence data (bi-directional, raw data)
3. Final analysed sequence data
4. Project Report

### Delivery time:

Cat # 105309 & 105310 (up to 0.5 kb) : 2 - 3 weeks

Cat # 105311 & 105312 (up to 1 kb) : 3 - 4 weeks

Cat # 105313 & 105314 (up to 2 kb) : 4 - 6 weeks

### Precautions and limitations:

1. The band of interest should be the most prominent product within the PCR sample.
2. The samples should not have excessive smearing.
3. Please indicate whether the PCR product has a higher GC - content.

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

## Ordering Information:

Catalogue Number	Service	Pack Size
<b>Cloning &amp; Sequencing Services for Amplified Products</b>		
105309	Cloning & Sequencing Service 1: Upto 0.5 kb (order for one to four samples)	Per sample
105310	Cloning & Sequencing Service 2: Upto 0.5 kb (order for five samples and more)	Per sample
105311	Cloning & Sequencing Service 3: Upto 1 kb (order for one to four samples)	Per sample
105312	Cloning & Sequencing Service 4: Upto 1 kb (order for five samples and more)	Per sample
105313	Cloning & Sequencing Service 5: Upto 2 kb (order for one to four samples)	Per sample
105314	Cloning & Sequencing Service 6: Upto 2 kb (order for five samples and more)	Per sample

*Service Tax as applicable will be charged extra*