

## Gene Expression & Protein Purification Services

### Introduction:

Avail our expertise and facility to express your gene and get purified protein for further studies including raising of polyclonal or monoclonal antibody, assay development, etc. Starting from full-length cDNA clone, the gene would be cloned into an expression vector, sequence confirmed, protein expressed and purified. The services offered would include:

- Subcloning of the full-length cDNA into an expression vector
- Sequence confirmation of the gene by bi-directional sequencing
- Optimization of protein expression
- Purification (5-10 mg) of expressed protein, up to 90% purity

### Ordering Information:

Product	Size	Cat #
Gene Expression & Protein Purification Services	Per Sample	105320

**Delivery Time:** Inquire

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

### Features:

- Sequencing of the gene after subcloning into expression vector would be undertaken if PCR based cloning techniques are employed.
- **Protein expressed may or may not be biologically active**
- Bacterial & Yeast based expression systems available
- GST and (His) 6 tags available for easy purification of the recombinant protein
- N-terminal GST-tag, N-terminal, C-terminal, N- and C-terminal (His) 6 tags together as well as no tag expression systems available
- Level of expression of recombinant protein may vary (very high to no expression at all) depending on toxicity of the protein to the bacteria or yeast host.
- Facility for >90% purity available, please inquire
- Subsequent raising of monoclonal or polyclonal antibody from the purified proteins, available (Refer Page nos. B30 and B35 respectively)

### Deliverables:

1. All clones and subclones generated
2. Expressed and purified recombinant protein
3. Sequence data (raw data as well as analysed and aligned data)
4. Final report containing relevant documents of the project.

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