

## Proteomic Services

Protea's state-of-the-art protein research facility utilizes advanced protein sample preparation methodologies to provide a variety of protein identification and characterization services. Whether your sample is in solution, in a gel, or in a biological matrix, Protea has the tools to identify your protein. Our mission is to provide you with the very best MS data from your valuable protein samples.



### PROTEIN IDENTIFICATION

#### Protein Identification and Characterization - MALDI-TOF

protein identification of gel-based samples using in-gel digestion, MALDI-TOF analysis for peptide mass fingerprinting, and Mascot data analysis

PRS-00010

[Inquire for price](#)

#### Protein Identification and Characterization - LC-MALDI/LC-MS

protein identification of gel-based samples using in-gel digestion, LC-MALDI or LC-MS analysis for tandem MS data acquisition and Protein Pilot data analysis

PRS-00011

[Inquire for price](#)

#### Protein Identification from Complex Sample with Extended HPLC Gradient

protein identification and characterization from a complex biological sample by in-solution digestion and LC-MS/MS or LC-MALDI-TOF/TOF mass spectrometry

PRS-00033

[Inquire for price](#)

#### Post Translational Analysis

protein identification and characterization from a complex biological sample by in-solution digestion, modified peptide enrichment, and LC-tandem mass spectrometry with Protein Pilot data analysis, with a focus on finding modification states

PRS-00034

[Inquire for price](#)

#### Protein Identification from Complex Sample with MudPIT Fractionation

protein identification of complex protein samples using in-solution digestion, 8-step MudPIT off-line sample fractionation, LC-MALDI TOF/TOF analysis acquisition, and Protein Pilot data analysis

PRS-00050

[Inquire for price](#)

### iTRAQ®-BASED SERVICES

#### iTRAQ®-based Protein Identification and Characterization - Labeling by Client

protein identification, characterization, and relative quantitation for iTRAQ-labeled samples by tandem mass spectrometry (customer performs prep work and performs labeling)

PRS-00030

[Inquire for price](#)

#### iTRAQ®-based Protein Identification and Characterization - Labeling by Protea

protein identification, characterization, and relative quantitation for iTRAQ-labeled samples by tandem mass spectrometry (Protea performs labeling ; client provides iTRAQ kit)

PRS-00031

[Inquire for price](#)

#### iTRAQ®-based Protein Identification and Characterization - Full iTRAQ Service

protein identification, characterization, and relative quantitation for iTRAQ-labeled samples by tandem mass spectrometry (Protea provides iTRAQ reagents and performs labeling)

PRS-00032

[Inquire for price](#)

## gelSTAT SERVICES

### gelSTAT - MALDI-TOF Analysis

protein identification of 5 gel-based samples using in-gel digestion, MALDI-TOF analysis for peptide mass fingerprinting, and Mascot data analysis

PRS-100

[Inquire for price](#)

### gelSTAT - LC-MALDI TOF-TOF Analysis

protein identification of 5 gel-based samples using in-gel digestion, LC-MALDI TOF/TOF analysis for MS/MS data acquisition, and Protein Pilot data analysis

PRS-120

[Inquire for price](#)

### gelSTAT - LC-MS/MS Analysis

protein identification of 5 gel-based samples using in-gel digestion, LC-MS/MS analysis with Protein Pilot data analysis

PRS-121

[Inquire for price](#)

## GEL-BASED SERVICES

### Gel Protein Recovery and ISD Analysis for 1 gel spot or band

protein will be isolated on a 1D gel, recovered using the GPR-800 and analyzed for molecular weight and sequence information by in source decay analysis (ISD)

PRS-00035

[Inquire for price](#)

### Electroelution from Gel and Mass Spec Analysis

electroelution plus mass spec analysis for gel-based samples

PRS-00054

[Inquire for price](#)

### Co-IP/MS Analysis

protein separation on a 1D gel followed by protein identification and characterization of bands by in-solution digestion and LC-MS/MS or LC-MALDI-TOF/TOF mass spectrometry, and Protea Pilot data analysis

PRS-00040

[Inquire for price](#)

### Sample Prep and 2D Gel Electrophoresis

sample prep plus 2D gel separation of protein samples

PRS-00053

[Inquire for price](#)

## CUSTOM SERVICES:

For custom Protein Research Services, please contact Protea for a free consultation and discussion of your project to develop a sample prep plan and mass spec analysis strategy to match your research program needs.