

Proteomic and Protein Characterization Services

Protein Identification and Characterization by Mass Spectrometry

- High Sensitivity Protein ID
- Post Translational Modification Mapping
- MRM Quantitative Protein Monitoring
- *de novo* Sequencing
- Intact Mass Determination

Quantitative Proteomics and Protein Profiling

Several Techniques and Technologies for Comparative Analysis

- Quantitative (Relative or Absolute) Differential Proteomic Analysis
- Protein Profiling
- Protein Interaction Mapping

Mass Spectrometry

- GeLCMS
- Spectral Counting
- Label Free
- iTRAQ
- SILAC
- MudPIT
- MRM Assays

Electrophoresis

- Gel Electrophoresis (SDS-PAGE, Native-PAGE and 2-D)
- Solution Phase IEF
- Western Blotting

Samples

- Body Fluids
- Proximal Fluids
- Cell Lines
- Tissues
- Conditioned Media
- Plants
- Protein Therapeutics
- Samples from Laser Capture Microscopy
- All Biological Species

Proteomic and Protein Characterization Services

Sample Preparation

- Depletion of Abundant Proteins
- Fractionation
- Enrichment of Selected Protein Classes (Affinity Fractionation)
- Differential Detergent Protein Extraction
- Immunoaffinity Enrichment
- Antibody and Recombinant Protein Production (in Cooperation with Partner Companies)

Applications

- Mutation Analysis and Monitoring of Single Amino Acid Changes
- Protein Interaction Mapping
- Identification of Protein Content
- Fresh or Frozen Tissue Analysis
- Formalin Fixed Paraffin Embedded (FFPE) Tissue Analysis
- Protein and Protein Isoform Quantification
- Post-Translational Modification Quantitation
- Biomarker Discovery

Key Features of Our Services

- Clients retain ownership of data
- Fee-for-service or multi-year contracts
- No minimum order required
- Quick turn-around times with rush services available
- Complete confidentiality
- Comprehensive reporting
- Customized projects

Please visit our website for additional technical information:

www.nextgensciences.com

To request more information or to speak to one of our scientists contact:

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Customer Service

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