

Protein Analytics

- ▶ Cloning, expression and purification of peptides and proteins (native, tagged etc.)

- ▶ Cloning
 - Create cDN databases
 - Clone cDNA fragments
 - In vitro Mutagenesis: site directed mutagenesis
 - Clone PCR products
 - Control sequencing
 - Plasmid preparation (Mini, Midi, Maxi)

- ▶ Protein purity
 - HPLC
 - Capillary electrophoresis (CE)
 - SDS-PAGE (reduced, not reduced)
 - IEF
 - Degradation products (MS)
 - Sequencing of peptides (MS)
 - Protein determination

- ▶ Protein identity
 - Western blot analysis
 - Peptide mapping and mass analysis
 - Amino acid composition
 - CD Spectrometry
 - Sequence checking

- ▶ Molecular mass
 - SDS-PAGE
 - HPLC
 - Free Flow Electrophoresis (FFE)
 - MS

- ▶ Posttranslational modification
 - Analysis of carbohydrates
(*N*-, *O*-Glycosylation)
 - Glycosylation point(MS)
 - *O*-, *N*- and *S*-Phosphorylation in proteins

- ▶ Determination of activity
 - Enzymatic assays of known proteins

- ▶ Concentration methods
 - Lyophilisation/freeze drying
 - Ultrafiltration
 - etc.

Your benefit:

- ▶ Flexible analytics services ensure rapid implementation of your product
- ▶ Dependable analytics support
- ▶ Access to state-of-the art analytical procedures as well as customised analytics development and validation according to your requirements
- ▶ Establishment of your analysis methods in our laboratories and transfer of our methods to your analytics laboratory
- ▶ In depth project planning and briefing as well as reliable and effective project status reporting

Please ask for a quote for your specific requirements. More details you find below:

Members & partner companies → ILBC GmbH → Details