Creative Proteomics

Trending Newsletter in June

Creative Proteomics is a professional CRO company that specializes in a full range of services to support various proteome-related researches from identification of single proteins to large-scale proteomic studies. With the most advanced technology platforms and experienced staffs, we can provide not only proteomics services but also metabolomics services, bioinformatics services, ***etc.***

June Theme: Protein Sequencing by Mass Spectrometry

Protein sequencing is the process to determine the amino acid sequence of proteins or peptides. Mass spectrometry is widely utilized for protein sequencing and identification. In addition, the data combined with predictions based on the known protein sequence can be used to define post-translational modifications (PTMs).

Information about Upcoming Events

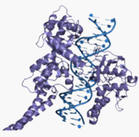
Name	Date	Country	City
2018 BIO International Convention	2018/6/4-2018/6/7	U.S.	Boston
Biological Methylation: Fundamental Mechanisms in Human Health and Disease	2018/6/17-2018/6/22	Italy	Florence
Microbial Glycobiology	2018/6/17-2018/6/22	U.S.	Scottsdale
World Biotechnology Conference	2018/6/25-2018/6/27	Sweden	Stockholm

Popular Services

Top-down Based Sequencing

In top-down proteomics, intact protein molecular ions generated by ESI or MALDI are introduced into the mass analyzer and are subjected to gas-phase fragmentation. Top-down analysis facilitates direct observation of C- and N-termini for identification of truncations and distinguishes one isoform from the other by different sequences.

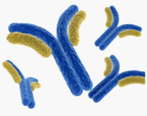
Learn More>>



Shotgun Protein Identification

Shotgun proteomics refers to a use of bottom-up proteomics techniques to study the whole proteins in a complex mixture, such as serum, urine, and cell lysates, ***etc.*** Our shotgun protein identification service includes identification and quantification of single proteins or proteins in a complex, post-translational modification, and protein-protein interaction analysis.

Learn More>>



De Novo Antibody Sequencing

De novo sequencing of antibodies refers to the analytical process of deriving the amino acid sequence of an antibody and discovering any associated post-translational modification without knowing DNA or protein sequence beforehand. Creative Proteomics can offer accurate and fast antibody de novo sequencing service customized to your needs.

Learn More>>

De Novo Peptides/Proteins Sequencing Service

De novo sequencing is a process in which amino acid sequences are directly interpreted from tandem mass spectra without the assistance of a database. Based on professional technology platforms, Creative Proteomics can provide professional ***de novo*** peptides/proteins sequencing service.

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Video

Bottom-up Proteomics and Top-down Proteomics

The two principal approaches to identifying and characterizing proteins using MS are the "bottom-up", which analyzes peptides by proteolytic digestion, and "top-down", which analyzes intact proteins...

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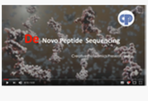

De Novo Peptide Sequencing

The ***de novo*** peptide sequencing is a method for peptide sequencing performed without prior knowledge of the amino acid sequence. It uses computational approaches.....

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Blog

Membrane Protein Identification by Shotgun Proteomics

Membrane proteins are a class of proteins that interact with or are part of, biological membranes. Shotgun proteomics methods have relieved some difficulties in the identification of membrane proteins...

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FAQs about Protein Identification by Mass Spectrometry

Mass spectrometry plays an important role in protein identification and other experiments. Here, we collect some common questions for protein identification by mass spectrometry...

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