

Application area for protein sequencing

- Determination the N-terminal amino acids of proteins and peptides
- Verification of correct protein expression. Confirmation of the correct insertion and N-terminal expression in recombinant proteins.
- Protein degradation analysis. Identify the new N-terminal and proteolytic cleavage site in the protein fragments.
- De-novo sequencing. Identifying proteins isolated from species where most of the genome has not yet been sequenced and sequence databases are not available for MS/MS database searching.
- Mapping modified residues or crosslinked sites in proteins that prove to be refractory to analysis by mass spectrometry.
- Check of the sequence and purity of a synthetic peptide.
- Quality control.