

Peptide

Peptides are naturally occurring biological molecules. They are short [chains](#) of [aminoacid monomers](#) linked by peptide ([amide](#)) bonds. The covalent chemical bonds are formed when the carboxyl group of one amino acid reacts with the amino group of another. The shortest peptides are dipeptides, consisting of 2 [aminoacids](#) joined by a single peptide bond, followed by tripeptides, tetrapeptides, etc.

[Peptide hormone](#)

see [Peptide vaccine](#).

see [Polypeptide](#).

Shotgun [proteomics](#) is a high-throughput approach used to identify and quantify proteins in complex biological samples. It involves the digestion of proteins into [peptides](#), followed by their separation and analysis using [mass spectrometry](#). The term “shotgun” refers to the random fragmentation of proteins into peptides without prior separation of individual proteins.

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