

# Serine protease

**Serine** proteases (or serine endopeptidases) are **enzymes** that cleave peptide bonds in proteins, in which serine serves as the nucleophilic amino acid at the (enzyme's) active site.

They are found ubiquitously in both eukaryotes and prokaryotes. Serine **proteases** fall into two broad categories based on their structure: chymotrypsin-like (trypsin-like) or subtilisin-like.

In humans, they are responsible for co-ordinating various physiological functions, including digestion, immune response, blood coagulation and reproduction.

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