|  |  |  |  |
| --- | --- | --- | --- |
| **Protease** | **Positional Specificity** | **Amino Acid Specificity** | **Ref** |
| Cathepsin A | Carboxypeptidase | Removes hydrophobic amino acids (e.g. Phe and Leu) from the C-terminus of substrates when additional hydrophobic amino acids are present in P1 | 4 |
| Cathepsin B | Dipeptidyl carboxypeptidase | Removes dipeptides from the C-terminus when either positively charged (Arg, Lys) or hydrophobic amino acids are in the P1 and P2 position | 5 |
| Cathepsin C | Dipeptidyl aminopeptidase | Removes dipeptides from the N-terminus with broad specificity | 1 |
| Cathepsin D | Endopeptidase | Cleaves between hydrophobic amino acids (e.g. Phe, Leu, Tyr) | 6 |