

TABLE A.4. PROTEOLYTIC ENZYMES

| | Stock solution | Storage temperature | Concentration in reaction | Reaction buffer | Temperature | Pretreatment |
|--------------|------------------------------|---------------------|---------------------------|--|-------------|------------------------------------|
| Pronase | 20 mg/ml in H ₂ O | -20°C | 1 mg/ml | 0.01 M Tris (pH 7.8) 0.01 M EDTA 0.5% SDS | 37°C | self-digestion for 2 hours at 37°C |
| Proteinase K | 20 mg/ml in H ₂ O | -20°C | 50 µg/ml | 0.01 M Tris (pH 7.8) 0.005 M EDTA 0.5% SDS | 37°C | none required |

Preparations of pronase are often contaminated with DNase and RNase. These activities can be eliminated by incubating the stock solution for 2 hours at 37°C.