

Porcine Thrombin

Item Number rAP-2644

Synonyms

Description

Uniprot Accession Number

Amino Acid Sequence

Source Porcine Blood.

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Thrombin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IPF1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Formulation and Purity Lyophilized Powder from 20mM PBS, pH 7.4 containing 0.9% NaCl.

Application

Solubility It is recommended to reconstitute the lyophilized Thrombin in sterile 18MΩ-cm H₂O.

Biological Activity One unit is defined as the amount of enzyme needed to cleave 1 mg of fusion protein in 16 hours to 95% completion at 20°C in a buffer containing 25mM Tris-HCl, pH 8.4, 150mM NaCl, and 2.5mM CaCl₂.

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**