

Thrombin Human Recombinant

Item Number	rAP-2641
Synonyms	Coagulation Factor II (Thrombin), Prepro-Coagulation Factor II, EC 3.4.21.5, RPRGL2, THPH1, Coagulation Factor II, Prothrombin B-Chain, Serine Protease, Prothrombin, EC 3.4.21, PT, F2.
Description	Thrombin Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 296 amino acids (328-622) and having a molecular mass of 33.9 kDa.
Uniprot Accession Number	P00734
Amino Acid Sequence	MTFGSGEADC GLRPLFEKKS LEDKTERELL ESYIDGRIVE GSDAEIGMSP WQVMLFRKSP QELL-CGASLI SDRWVLTAAH CLLYPPWDKN FTENDLLVRI GKHSRTRYER NIEKISMLEK IYIHPRYNWR EN-LDRDIALM KLKKPVAFSD YIHPVCLPDR ETAASLLQAG YKGRVTGWGN LKETWTANVG KGQPSVLQVV NLPIVERPVC KDSTRIRITD NMFCAGYKPD EGKRGDACEG DSGGPFVMKS PFNNRWYQMG IVSWGEGCDR DGKYGFYTHV FRLKKWIKV IDQFGE.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The Thrombin solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
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**