

32-5077: Recombinant Human Thrombin

Alternative Name : 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

Source : Escherichia Coli. 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. Coagulation factor II (F2) is proteolytically cleaved to form thrombin in the 1st step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also has a role in preserving vascular integrity during development and postnatal life. F2 gene mutations lead to various forms of thrombosis and dysprothrombinemia.

Product Info

Amount :	20 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	The Thrombin solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MTFGSGEADC GLRPLFEKKS LEDKTERELL ESYIDGRIVE GSDAEIGMSP WQVMLFRKSP QELLCGASLI SDRWVLTAAH CLLYPPWDKN FTENDLLVRI GKHSRTRYER NIEKISMLEK IYIHPRYNWR ENLDRDIALM KLKKPVAFSD YIHPVCLPDR ETAASLLQAG YKGRVTGWGN LKETWTANVG KGQPSVLQVV NLPIVERPVC KDSTRIRITD NMFCAQYKPD EGKRGDACEG DSGGPFVMKS PFNNRWYQMG IVSWGEGCDR DGKYGFYTHV FRLKKWIKV IDQFGE.