
Product Data Sheet

Product Name: Thrombin Human

Cat. No.: GP24826

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MTFGSGEADC GLRPLFEKKS LEDKTERELL ESYIDGRIVE GSDAEIGMSP WQVMLFRKSP QELLCGASLI SDRWVLTA AH CLLYPPWDKN FTENDLLVRI GKHSRTRYER NIEKISMLEK IYIHPRYNWR ENLDRDIALM KLKKPVAFSD YIHPVCLPDR ETAASLLQAG YKGRVTGWGN LKETWTANVG KGQPSVLQVV NLPIVERPVC KDSTRIRITD NMFCAGYKPD EGKRGDACEG DSGGPFVMKS PFNNRWYQMG IVSWGEGCDR DGKYGFYTHV FRLKKWIKV IDQFGE.		
Formulation	The Thrombin solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

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.

Stability

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

33.9 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA