9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Thrombin Human

Thrombin Human Recombinant
NTP0054

Product Overview

Name	Thrombin Human

Description

Thrombin Human Recombinant

Accession (Primary)	P00734

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.

Introduction

Coagulation factor II (F2) is proteolytically cleaved to form thrombin in the 1 st 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The Thrombin solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

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.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Amino acid sequence

MTFGSGEADC GLRPLFEKKS LEDKTERELL ESYIDGRIVE GSDAEIGMSP WQVMLFRKSP QELLCGASLI SDRWVLTAAH CLLYPPWDKN FTENDLLVRI GKHSRTRYER NIEKISMLEK IYIHPRYNWR ENLDRDIALM KLKKPVAFSD YIHPVCLPDR ETAASLLQAG YKGRVTGWGN LKETWTANVG KGQPSVLQVV NLPIVERPVC KDSTRIRITD NMFCAGYKPD EGKRGDACEG DSGGPFVMKS PFNNRWYQMG IVSWGEGCDR DGKYGFYTHV FRLKKWIQKV IDQFGE.

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Precautions

Thrombin Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00734)