

Datasheet for ABIN5853681  
**Prothrombin Protein (AA 328-622)**



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1 Image

## Overview

Quantity:	100 µg
Target:	Prothrombin (F2)
Protein Characteristics:	AA 328-622
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

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

Purity: > 80 % by SDS - PAGE

## Target Details

Target:	Prothrombin (F2)
Alternative Name:	F2 ( <a href="#">F2 Products</a> )
Background:	Coagulation factor II, also known as F2, is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also

## Target Details

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plays a role in maintaining vascular integrity during development and postnatal life. Mutations in F2 lead to various forms of thrombosis and dysprothrombinemia. Recombinant human F2 protein was expressed in E.coli.

Molecular Weight: 33.9kDa (296aa)

NCBI Accession: [NP\\_000497](#)

UniProt: [P00734](#)

Pathways: [Complement System](#), [Peptide Hormone Metabolism](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

## Handling

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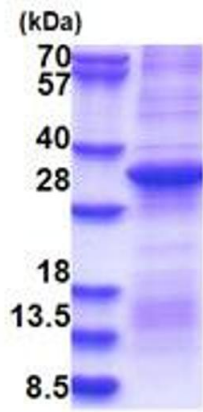
Format: Liquid

Concentration: 1.0 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer ( pH 8.0) containing 0.4M urea, 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

### SDS-PAGE

Image 1.