



Recombinant Human F2 Protein Product Manual

1. Product Basic Information

Product No.: REP06818

Protein Name: Thrombin Factor II (F2)

Aliases: PT; THPH1; RPRGL2; prothrombin; thrombin factor II; prothrombin B-chain; prepro-coagulation factor II; coagulation factor II, thrombin

UniProt ID: P00734

UniProt Link: <https://www.uniprot.org/uniprotkb/P00734/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (44-622aa)

Molecular Weight: 81.3kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (44-622aa)

ANTFLEEVVRKGNLERECVEETCSYEEAFEALESSTATDVFwakYTACETARTPRDK
LAACLEGNCAEGLGTNYRGHVNITRSGIECQLWRSRYPHKPEINSTTHPGADLQEN
FCRNPDSSSTTGPWCYTDDPTVRRQECSIPVCGQDQVTAMTPRSEGSSVNLSPPL
EQCVPDRGQQYQGR LAVTTHGLPCLAWASAAKALSKHQDFNSAVQLVENFCRN
PDGDEEGVWCYVAGKPGDFGYCDLNYCEEAVEEETGDGLDESDRAIEGRTATS
EYQTFNPRFTGSGEADCLRLPFEKKSLEDKTERELLESYIDGRIVEGSDAEIGMS
PWQVMLFRKSPQELLCGASLISDRWVLTAAHCLLYPPWDKNFTENDLLVRIGKHSR
TRYERNIEKISMLEKIYIHPRYNWRENLDRLDIALMKLKKPVAFSDYIHPVCLPDRETA
ASLLQAGYKGRVTGWGNLKETWTANVGKGQPSVLQVVNLPIVERPVCKDSTRIRIT
DNMFCAGYKPDEGKRGDACEGDSGGPFVMKSPFNNRWYQMGIVSWGEGCDRD
GKYGFYTHVFRLLKKWIQKVIDQFGE

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human F2 full length of mature protein protein (44-622aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. F2, also known as PT or THPH1 or RPRGL2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.