

Product datasheet for AR51483PU-S

Prothrombin (F2) (328-622, His-tag) Human Protein

Product data:

OriGene Technologies, Inc.

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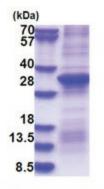
Recombinant Proteins
Prothrombin (F2) (328-622, His-tag) human recombinant protein, 0.1 mg
Human
E. coli
MTFGSGEADC GLRPLFEKKS LEDKTERELL ESYIDGRIVE GSDAEIGMSP WQVMLFRKSP QELLCGASLI SDRWVLTAAH CLLYPPWDKN FTENDLLVRI GKHSRTRYER NIEKISMLEK IYIHPRYNWR ENLDRDIALM KLKKPVAFSD YIHPVCLPDR ETAASLLQAG YKGRVTGWGN LKETWTANVG KGQPSVLQVV NLPIVERPVC KDSTRIRITD NMFCAGYKPD EGKRGDACEG DSGGPFVMKS PFNNRWYQMG IVSWGEGCDR DGKYGFYTHV FRLKKWIQKV IDQFGE
His-tag
33.9 kDa
lot specific
>80% by SDS - PAGE
Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol.
Liquid purified protein
Recombinant human F2 protein was expressed in E.coli.
Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.
<u>NP 000497</u>
2147
<u>P00734</u>
11p11.2
PT; RPRGL2; THPH1



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	Prothrombin (F2) (328-622, His-tag) Human Protein – AR51483PU-S
Summary:	This gene encodes the prothrombin protein (also known as coagulation factor II). This protein is proteolytically cleaved in multiple steps to form the activated serine protease thrombin. The activated thrombin enzyme plays an important role in thrombosis and hemostasis by converting fibrinogen to fibrin during blood clot formation, by stimulating platelet aggregation, and by activating additional coagulation factors. Thrombin also plays a role in cell proliferation, tissue repair, and angiogenesis as well as maintaining vascular integrity during development and postnatal life. Peptides derived from the C-terminus of this protein have antimicrobial activity against E. coli and P. aeruginosa. Mutations in this gene lead to various forms of thrombosis and dysprothrombinemia. Rapid increases in cytokine levels following coronavirus infections can dysregulate the coagulation cascade and produce thrombosis, compromised blood supply, and organ failure. [provided by RefSeq, May 2020]
Protein Families:	Druggable Genome, Protease, Secreted Protein
Protein Pathway	s: Complement and coagulation cascades, Neuroactive ligand-receptor interaction, Regulation

Product images:



of actin cytoskeleton

15% SDS-PAGE (3ug)

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