

Recombinant Human Prothrombin protein ab158398

1 图像

描述	
产品名称	重组人Prothrombin蛋白
表达系统	Wheat germ
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MAHVRGLQLPGCLALAALCSLVHSQHVFLAPQQARSLLQVR RANTFLEE VRKGNLERECVEETCSYEEAFEALESSTATDVFWAKYTACET ARTPRDKL AACLEGNCAEGLGTNYRGHVNITRSGIEQLWRSRYPHKPEI NSTTHPGA DLQENFCRNPDSSTTGPPWCYTDDPTVRRQECSIPVCGQDQVT VAMTPRSE GSSVNLSPPLEQCVPRGQQYQGR LAVTTHGLPCLAWASAQA KALSKHQD FNSAVQLVENFCRNPDGDEEGVWCYVAGKPGDFGYCDLNYCE EAVEEETG DGLDESDRAIEGRTATSEYQTFNPRTFGSGEADCGLRPLF EKKSLEDK TERELLESYIDGRIVEGSDAEIGMSPWQVMLFRKSPQELLCG ASLISDRW VLTAAHCLLYPPWDKNFTENDLLVRIGKHSRTRYERNIEKIS MLEKIYIH PRYNWRENLDRIALMKLKKPVAFSDYIHPVCLPDRETAASL LQAGYKGR VTGWGNLKETWTANVGKGQPSVLQVVNLPIVERPVCKDSTRI RITDNMFC AGYKPDEGKRGDACEGDSGGPFVMKSPFNRRWYQMGIVSWG E GCDRDGKY GFYTHVFRLLKKWIKVIDQFGE
氨基酸	1 to 622
标签	GST tag N-Terminus
证书	

Our **Abpromise guarantee** covers the use of **ab158398** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

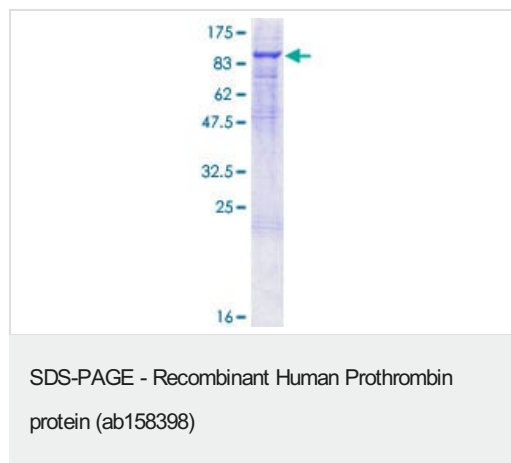
应用	ELISA Western blot
形式	Liquid
补充说明	

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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常规信息

功能	Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.
组织特异性	Expressed by the liver and secreted in plasma.
疾病相关	<p>Defects in F2 are the cause of factor II deficiency (FA2D) [MIM:613679]. It is a very rare blood coagulation disorder characterized by mucocutaneous bleeding symptoms. The severity of the bleeding manifestations correlates with blood factor II levels.</p> <p>Genetic variations in F2 may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.</p> <p>Defects in F2 are a cause of susceptibility to thrombosis (THR) [MIM:188050]. It is a multifactorial disorder of hemostasis characterized by abnormal platelet aggregation in response to various agents and recurrent thrombi formation. Note=A common genetic variation in the 3-prime untranslated region of the prothrombin gene is associated with elevated plasma prothrombin levels and an increased risk of venous thrombosis.</p>
序列相似性	<p>Belongs to the peptidase S1 family.</p> <p>Contains 1 Gla (gamma-carboxy-glutamate) domain.</p> <p>Contains 2 kringle domains.</p> <p>Contains 1 peptidase S1 domain.</p>
翻译后修饰	The gamma-carboxyglutamyl residues, which bind calcium ions, result from the carboxylation of glutamyl residues by a microsomal enzyme, the vitamin K-dependent carboxylase. The modified residues are necessary for the calcium-dependent interaction with a negatively charged phospholipid surface, which is essential for the conversion of prothrombin to thrombin.
细胞定位	Secreted > extracellular space.



ab158398 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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