

Product datasheet for **TP724729**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Prothrombin (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala1-Glu579
Tag:	C-His
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Prothrombin (C-His) is produced by Human Cells. The target gene encoding Ala1-Glu579 is expressed with a C-His tag.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	thrombin,Coagulation factor II
Summary:	Prothrombin is also known as coagulation factor II (F2),which can be cleaved into the following 4 chains: activation peptide fragment 1, activation peptide fragment 2, thrombin light chain and thrombin heavy chain. Coagulation factor II (F2) is able to form a heterodimer with SERPINA5. The mutations of F2 gene can result in a very rare blood coagulation disorder characterized by mucocutaneous bleeding symptoms. Furthermore, thrombin converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Coagulation factor II (F2) can also play an important role in blood homeostasis, inflammation and wound healing.



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