



Mouse F2 peptide (DAG428)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Mouse Thrombin, alpha Molecular weight 36.7kDa. Prepared from purified prothrombin by conventional chromatography
Antigen Description	Thrombin is a trypsin-like serine protease protein that in humans is encoded by the F2 gene. Prothrombin (coagulation factor II) is proteolytically cleaved to form thrombin in the first step of the coagulation cascade, which ultimately results in the stemming of blood loss. Thrombin in turn acts as a serine protease that converts soluble fibrinogen into insoluble strands of fibrin, as well as catalyzing many other coagulation-related reactions.
Species	Mouse
Conjugate	Unconjugated
Applications	Specific methodologies have not been tested using this product.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µg, 0.5 mg
Buffer	50% glycerol/water
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Thrombin (EC 3.4.21.5, fibrinogenase, thrombase, thrombofort, topical, thrombin-C, tropostasin, activated blood-coagulation factor II, blood-coagulation factor IIa, factor IIa, E thrombin, beta-
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thrombin, gamma-thrombin) is a serine protease that in humans is encoded by the F2 gene. Prothrombin (coagulation factor II) is proteolytically cleaved to form thrombin in the coagulation cascade, which ultimately results in the reduction of blood loss. Thrombin in turn acts as a serine protease that converts soluble fibrinogen into insoluble strands of fibrin, as well as catalyzing many other coagulation-related reactions.

Keywords	F2; coagulation factor II (thrombin); prothrombin; serine protease; prothrombin B-chain; PT; THPH1;
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GENE INFORMATION

Entrez Gene ID	2147
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UniProt ID	P00734
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