

Product datasheet

Natural Cow Protein C ab62397

製品の概要

製品名	Natural Cow Protein C
タンパク質長	Full length protein

製品の詳細

由来	Native
由来	Native
アミノ酸配列	
生物種	Cow
配列の追加情報	Source = fresh citrated bovine plasma

特性

Our [Abpromise guarantee](#) covers the use of **ab62397** in the following tested applications.

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

アプリケーション	SDS-PAGE
	Functional Studies

製品の状態	Liquid
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前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
	Preservative: None
	Constituents: 50% Glycerol, 50% H ₂ O

関連情報

機能	Protein C is a vitamin K-dependent serine protease that regulates blood coagulation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids (PubMed:25618265). Exerts a protective effect on the endothelial cell barrier function (PubMed:25651845).
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組織特異性	Plasma; synthesized in the liver.
関連疾患	Thrombophilia due to protein C deficiency, autosomal dominant Thrombophilia due to protein C deficiency, autosomal recessive
配列類似性	Belongs to the peptidase S1 family. Contains 2 EGF-like domains. Contains 1 Gla (gamma-carboxy-glutamate) domain. Contains 1 peptidase S1 domain.
翻訳後修飾	The vitamin K-dependent, enzymatic carboxylation of some Glu residues allows the modified protein to bind calcium. N- and O-glycosylated. Partial (70%) N-glycosylation of Asn-371 with an atypical N-X-C site produces a higher molecular weight form referred to as alpha. The lower molecular weight form, not N-glycosylated at Asn-371, is beta. O-glycosylated with core 1 or possibly core 8 glycans. The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains. May be phosphorylated on a Ser or Thr in a region (AA 25-30) of the propeptide.
細胞内局在	Secreted. Golgi apparatus. Endoplasmic reticulum.

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