

Native Cow Protein C ab62397

描述

产品名称	Native牛蛋白C
纯度	> 95 % Ion Exchange Chromatography. Prepared by a modification of the Walker procedure as described by Haley et al. Purity is determined by SDS-PAGE analysis
表达系统	Native
蛋白长度	Full length protein
无动物成分	No
性质	Native
种属	Cow
额外的序列信息	Source = fresh citrated bovine plasma

技术指标

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.

应用	SDS-PAGE Functional Studies
形式	Liquid

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituents: 50% Glycerol, 50% Water
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常规信息

功能	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).
组织特异性	Plasma; synthesized in the liver.

疾病相关	Thrombophilia due to protein C deficiency, autosomal dominant Thrombophilia due to protein C deficiency, autosomal recessive
序列相似性	Belongs to the peptidase S1 family. Contains 2 EGF-like domains. Contains 1 Gla (gamma-carboxy-glutamate) domain. Contains 1 peptidase S1 domain.
翻译后修饰	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.
细胞定位	Secreted. Golgi apparatus. Endoplasmic reticulum.

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