

## Product datasheet

# Natural Cow Protein C ab62397

### 製品の概要

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

### 製品の詳細

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|---------|---------------------------------------|
| 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

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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.

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| アプリケーション | SDS-PAGE           |
|          | Functional Studies |

|       |        |
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| 製品の状態 | Liquid |
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### 前処理および保存

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| 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.<br>Constituents: 50% dH <sub>2</sub> O, 50% ddH <sub>2</sub> O, 50% Glycerol |
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### 関連情報

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| 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. |
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|------|---|
| 関連疾患 | Thrombophilia due to protein C deficiency, autosomal dominant |
|------|---|

|              |  |
|--------------|--|
|              | Thrombophilia due to protein C deficiency, autosomal recessive   |
| <b>配列類似性</b> | <p>Belongs to the peptidase S1 family.</p> <p>Contains 2 EGF-like domains.</p> <p>Contains 1 Gla (gamma-carboxy-glutamate) domain.</p> <p>Contains 1 peptidase S1 domain.</p>  |
| <b>翻訳後修飾</b> | <p>The vitamin K-dependent, enzymatic carboxylation of some Glu residues allows the modified protein to bind calcium.</p> <p>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.</p> <p>The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.</p> <p>May be phosphorylated on a Ser or Thr in a region (AA 25-30) of the propeptide.</p> |
| <b>細胞内局在</b> | Secreted. Golgi apparatus. Endoplasmic reticulum.  |

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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