

Native Human Factor Va protein ab62415

製品の詳細

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| 製品名 | Native Human Factor Va protein |
| 精製度 | > 95 % Affinity purified. Purity is determined by SDS-PAGE analysis |
| 発現系 | Native |
| タンパク質長 | Full length protein |
| Animal free | No |
| 由来 | Native |
| 生物種 | Human |

特性

Our **Abpromise guarantee** covers the use of **ab62415** 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 |
| 製品の状態 | Liquid |
| 備考 | Concentration varies from lot to lot but is between 5-10mg/ml |

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. Constituents: 0.0555% Calcium chloride, 50% Glycerol |
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関連情報

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| 関連性 | Factor Va is a cofactor for the serine protease factor Xa, and in the presence of calcium ions they collectively assemble on a phospholipid surface to form the prothrombinase complex. The prothrombinase complex is responsible for the rapid conversion of prothrombin to thrombin. Factor Va is derived from the pro-cofactor, factor V, upon limited proteolysis by alpha-thrombin. The thrombin cleavage of factor V liberates two heavily glycosylated activation peptides from the central portion of the molecule which have no cofactor function. Factor Va is comprised of an NH ₂ - |
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terminal derived heavy chain (MW 94kDa) and a COOH-terminal derived light chain (MW 74kDa) which remain associated in the presence of calcium ions. The cofactor binds to phospholipid (cell membrane) surfaces and effectively serves as a receptor for membrane bound factor Xa. Complete assembly of the prothrombinase complex (factor Xa, factor Va, phospholipid, and calcium) results in a 300,000-fold increase in the rate of prothrombin conversion relative to the rate observed with factor Xa alone. The interaction between factor Va and factor Xa is mediated by both the heavy and light chain of factor Va, while the binding of prothrombin to factor Va is mediated solely by the heavy chain.

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Cell Membrane and Plasma membrane

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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