Creative Enzymes®

# Native Russell's viper venom Factor V Activating Enzyme

*Cat. No. NATE-0249*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Factor V activator for RVV contains fucose, mannose, galactose, glucosamine, and neuraminic acid. Factor V activating enzyme from RVV is an arginine esterase that is sensitive to diisopropyl fluorophosphate (DFP). |
| ***Applications*** | Factor V activating enzyme from Russell's viper venom (RVV) is a single-chain glycoprotein that is involved in the rapid clotting of blood. Factor V circulates in the blood as an inactive cofactor and must be activated by proteases such as Factor V activating enzyme from RVV 1. This product may be useful in studying the blood coagulation cascade as well as the inherited deficiency called parahemophilia |
| ***Synonyms*** | EC 3.4.21.95; Factor V Activating Enzyme; Snake venom factor V activator; 65522-14-7; Factor V activator |

## Product Information

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| ***Source*** | Russell's viper venom |
| ***Form*** | lyophilized powder; Stabilized in albumin and sodium chloride. |
| ***EC Number*** | EC 3.4.21.95 |
| ***CAS No.*** | 65522-14-7 |
| ***Activity*** | 20 units/mg protein |
| ***Unit Definition*** | One unit will increase the Factor V activity in 0.1 mL of fresh normal human plasma by at least 2× after incubation for 3 min at 37°C. |

## Storage and Shipping Information

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| ***Storage*** | −20°C |