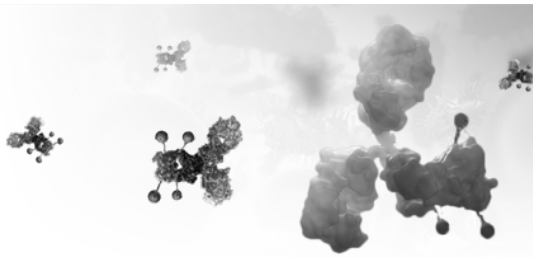

Recombinant Human PIVKA-II Protein [His] (DAGC579)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding the human F2 (Met1-Glu622) with C-terminal His Tag
Species	Human
Purity	>90% by SDS-PAGE
Conjugate	His
Applications	Calibrator or standard in ELISA, WB, IHC and other possible application
Molecular Weight	85 kDa
Format	Liquid
Size	50 µg, 100 µg
Buffer	Supplied as solution form in PBS, pH7.5
Preservative	None
Storage	Store at 2-8°C for one week. Store at -20 to -80°C for twelve months from the date of receipt.

BACKGROUND

Introduction	Protein Induced by Vitamin K Absence or Antagonist-II (PIVKA-II), also known as Des-γ-carboxy-prothrombin (DCP), is an abnormal form of prothrombin. Normally, the prothrombin's 10 glutamic acid residues (Glu) in the γ-carboxyglutamic acid (Gla) domain at positions 6, 7, 14, 16, 19, 20,25, 26, 29 and 32 are γ-carboxylated to Gla by vitamin-K dependent γ- glutamyl carboxylase in the liver and then secreted into plasma. In patients with hepatocellular

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	carcinoma (HCC), γ-carboxylation of prothrombin is impaired so that PIVKA-II is formed instead of prothrombin.
Keywords	PIVKA-II; Prothrombin; DCP

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221