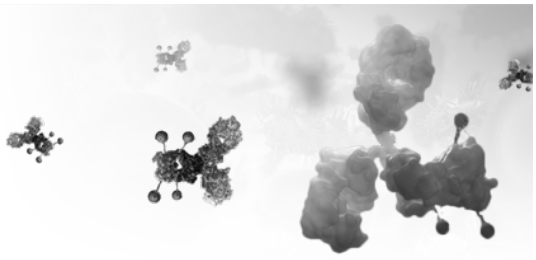

# Recombinant Human PIVKA-II (DCP) [His] (DAG-WT831)

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

## PRODUCT INFORMATION

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| **Product Overview** | A DNA sequence encoding the human PIVKA-II was expressed with a polyhistidine tag at the C-terminus |
| **Purity** | > 95 % as determined by SDS-PAGE |
| **Conjugate** | His |
| **Applications** | SDS-PAGE |
| **Molecular Weight** | 70.0 kDa |
| **Format** | Liquid |
| **Concentration** | Batch dependent - please inquire should you have specific requirements |
| **Size** | 1 mg |
| **Buffer** | 10mM PBS, pH7.4, 20% Glycerol |
| **Preservative** | None |
| **Storage** | Store at -20°C to -80°C. Avoid multiple freeze/thaw cycles. |

## BACKGROUND

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| **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 |

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| | carboxylase in the liver and then secreted into plasma. In patients with hepatocellular carcinoma (HCC), γ-carboxylation of prothrombin is impaired so that PIVKA-II is formed instead of prothrombin. |
| **Keywords** | PIVKA-II; Prothrombin; DCP |

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