

Recombinant Human PIVKA-II/Prothrombin protein,C- His Tag

Product Details

Summary

Product name	Recombinant Human PIVKA-II/Prothrombin protein,C- His Tag
description	A DNA sequence encoding the human F2 (Met1-Glu622) with C-terminal His Tag
Expression system	Mammalian cells
Species	Homo sapiens (Human)
Accession #	P00734
Alternative names	Coagulation factor II
Actual Molecular Mass	85kDa
Purity	>90% by SDS-PAGE
Endotoxin level	Please contact with the lab for this information.
Formulation	Supplied as solution form in PBS, pH7.5/ Supplied as lyophilized from PBS, pH7.5
Shipping	In general, proteins are shipped out with blue ice unless customers require otherwise.
Stability &Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Reconstitution	Please refer to the instruction in the hard copy of COA.
Application	Calibrator or standard in ELISA, WB, IHC and other possible application

Background

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 carcinoma (HCC), γ-carboxylation of prothrombin is impaired so that PIVKA-II is formed instead of prothrombin. PIVKA-II is considered as is an efficient biomarker specific for HCC

Note

For research use only.