

Datasheet for ABIN934836 Prothrombin Protein



[Go to Product page](#)

Overview

Quantity: 2 mg

Target: Prothrombin (F2)

Origin: Cow

Source: Cow

Protein Type: Native

Product Details

Characteristics: Purified native Bovine Prothrombin protein
Protein Source: Bovine plasma

Purity: > 95 % pure

Target Details

Target: Prothrombin (F2)

Alternative Name: Prothrombin ([F2 Products](#))

Background: Prothrombin is a vitamin K-dependent plasma protein which is synthesized in the liver. Prior to secretion into plasma, prothrombin undergoes post-translational modification by a vitamin K-dependent carboxylase which converts ten specific glutamic acid residues to gamma-carboxyglutamic acid (gla). The ten gla residues are located within the first 40 amino acids of the mature protein and contribute to the ability of prothrombin to bind to negatively charged phospholipid membranes.

Description: Bovine plasma.

Alternative Names: Bovine Prothrombin Protein

Target Details

Molecular Weight:	72 kDa
Pathways:	Complement System , Peptide Hormone Metabolism , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied as a liquid with 50 % Glycerol/H ₂ O (vol/vol).
Precaution of Use:	Donor samples were tested and found to be negative for anti-HIV-1/2, HIV-1 antigen(s), HBsAg, STS, anti-HCV, anti-HBcore and anti-HTLV I & II. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20 °C.