CREATIVE BIOMART
GMP Proteins

Native Human F9 Protein, GMP Grade

Product Information

Cat#

F9-095THP

Common Name

F9

Product Name

Native Human F9 Protein, GMP Grade

Product Overview

Native Human F9 Protein was purified from Human Plasma and was produced in an animal component free process under cGMP guidelines.

Description

This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca+2 ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.

Source

Human Plasma

Species

Human

Bio-activity

500 U/10ml

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Molecular Mass

Not Available

AA Sequence

Not Available

Endotoxin

<0.001 EU/μg of the peptide by the LAL method

Applications

The product is indicated for the prevention and control of hemorrhagic episodes in hemophilia B patients. It is also indicated for the urgent reversal of acquired coagulation factor deficiency induced by Vitamin K antagonist (VKA, e.g., warfarin) therapy in adult patients with acute major bleeding or who require rapid reversal of therapy.

Usage

Hemorrhagic episodes in hemophilia B

Gene Name

F9 coagulation factor IX [Homo sapiens (human)]

Official Symbol

F9

Synonyms

F9; coagulation factor IX; Christmas disease; Factor IX; FIX; hemophilia B; plasma thromboplastic component; F9 p22; FIX F9; factor 9; factor IX F9; serine protease; Christmas factor; plasma thromboplastin component; P19; PTC; HEMB; THPH8; MGC129641; MGC129642;

GeneID

2158

mRNA Refseq

NM_000133

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Protein Refseq
NP_000124
MIM
300746
UniProt ID
P00740

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