Creative Enzymes®

Native Human Factor α-XIIa

Cat. No. NATE-0882

Lot. No. (See product label)

Introduction

Description	Human Factor α-XIIa is a serine protease responsible for the activation of Factor XI to XIa in the contact activation system. Human Factor XII and prekallikrein are thought to be involved in a reciprocal activation mechanism in which Factor XIIa activates prekallikrein to kallikrein, which in turn converts Factor XII to XIIa. Factor XIIa activates Factor XI to XIa thereby triggering the Contact Factor cascade. ERL offers Factor α-XIIa which is activated by the autoactivation process with Dextran Sulfate and re-purified to remove the activator. The protein purity is determined by SDS-PAGE and activity is determined via clotting assay.
Synonyms	Human Factor Alpha-XIIa; Factor Alpha-XIIa; Factor α-XIIa

Product Information

Species	Human
Source	Human
Molecular Weight	80 kDa
Activity	69.51 PEU/mg
Concentration	1.20 mg/ml
Buffer	4 mM sodium acetate-HCl/ 0.15 M NaCl/ pH 5.3

Storage and Shipping Information

Storage	< -60°C