9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SERPINC1 Human

Serpin Peptidase Inhibitor, Clade C Member 1 Human Recombinant
RCP2051

Product Overview

Name	SERPINC1 Human

Description

Serpin Peptidase Inhibitor, Clade C Member 1 Human Recombinant

Accession (Primary)	P01008

Synonyms

AT3, AT3D, ATIII, THPH7, Antithrombin-III, Serpin C1, SERPINC1.

Introduction

Serpin Peptidase Inhibitor, Clade C Member 1 (SERPINC1), which is a part of the serpin superfamily, is a plasma protease inhibitor. SERPINC1 inhibits thrombin and other activated serine proteases of the coagulation system, and regulates the blood coagulation cascade. SERPINC1 also inhibits Thrombin and Factors IXa, Xa and XIa. Deficiencies in SERPINC1 can cause ATIII deficiency, an autosomal dominant disease which might lead to a hereditary thrombophilia.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

SERPINC1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS HGSPVDI CTAKPRDIPM NPMCIYRSPE KKATEDEGSE QKIPEATNRR VWELSKANSR FATTFYQHLA DSKNDNDNIF LSPLSISTAF AMTKLGACND TLQQLMEVFK FDTISEKTSD QIHFFFAKLN CRLYRKANKS SKLVSANRLF GDKSLTFNET YQDISELVYG AKLQPLDFKE NAEQSRAAIN KWVSNKTEGR ITDVIPSEAI NELTVLVLVN TIYFKGLWKS KFSPENTRKE LFYKADGESC SASMMYQEGK

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FRYRRVAEGT QVLELPFKGD DITMVLILPK PEKSLAKVEK ELTPEVLQEW LDELEEMMLV VHMPRFRIED GFSLKEQLQD MGLVDLFSPE KSKLPGIVAE GRDDLYVSDA FHKAFLEVNE EGSEAAASTA VVIAGRSLNP NRVTFKANRP FLVFIREVPL NTIIFMGRVA NPCVK.

Precautions

SERPINC1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01008)