9051 Mira Mesa Blvd, #910094
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SERPING1 Human, Sf9

Serpin Peptidase Inhibitor, Clade G Member 1 Human Recombinant, Sf9
RCP2059

Product Overview

Name	SERPING1 Human, Sf9

Description

Serpin Peptidase Inhibitor, Clade G Member 1 Human Recombinant, Sf9

Accession (Primary)	P05155

Synonyms

Serpin Family G Member 1, Serpin Peptidase Inhibitor, Clade G (C1 Inhibitor), Member 1, Plasma Protease C1 Inhibitor, C1 Esterase Inhibitor, C1-Inhibiting Factor, Serpin G1, C1NH, C1IN, Serine (Or Cysteine) Proteinase Inhibitor, Clade G (C1 Inhibitor), Member 1, (Angioedema, Hereditary), Serine/Cysteine Proteinase Inhibitor Clade G Member 1, Serpin Peptidase Inhibitor Clade G Member 1, Complement Component 1 Inhibitor, Angioedema, Hereditary, C1 Inh, C1INH, C1Inh, HAE1, HAE2.

Introduction

Plasma protease C1 inhibitor (SERPING1) is a part of the serpin superfamily of serine protease inhibitors. SERPING1 takes part in regulating activation of both the complement and contact systems. That isdue to the fact that SERPING1 regulates the activation of complement factor C1 in addition to the activity of activated C1 by coupling with the active catalytic site at the light chains of C1r and C1s. Lack of SERPING1 results in hereditary angioedema, which is characterized by recurrent episodes of localized angioedema of the skin, gastrointestinal mucosa or upper respiratory mucosa.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

SERPING1 protein solution (1mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).

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 90.0% as determined by SDS-PAGE.

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Amino acid sequence

ADPEFNPNAT SSSSQDPESL QDRGEGKVAT TVISKMLFVE PILEVSSLPT TNSTTNSATK ITANTTDEPT TQPTTEPTTQ PTIQPTQPTT QLPTDSPTQP TTGSFCPGPV TLCSDLESHS TEAVLGDALV DFSLKLYHAF SAMKKVETNM AFSPFSIASL LTQVLLGAGE NTKTNLESIL SYPKDFTCVH QALKGFTTKG VTSVSQIFHS PDLAIRDTFV NASRTLYSSS PRVLSNNSDA NLELINTWVA KNTNNKISRL LDSLPSDTRL VLLNAIYLSA KWKTTFDPKK TRMEPFHFKN SVIKVPMMNS KKYPVAHFID QTLKAKVGQL QLSHNLSLVI LVPQNLKHRL EDMEQALSPS VFKAIMEKLE MSKFQPTLLT LPRIKVTTSQ DMLSIMEKLE FFDFSYDLNL CGLTEDPDLQ VSAMQHQTVL ELTETGVEAA AASAISVART LLVFEVQQPF LFVLWDQQHK FPVFMGRVYD PRAHHHHHH.

Precautions

SERPING1 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05155)