

32-13412: SERPING1 Human, Sf9

Alternative Name :

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.Å

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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 is due 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.

SERPING1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 489 amino acids (23-500a.a.) and having a molecular mass of 54.2kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). SERPING1 is expressed with an 11 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

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

Storage condition : 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.

Amino Acid : 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 SVIKVPMMS KKYPVAHFID QTLKAKVGQL QLSHNLSLVI LVPQNLKHRL EDMEQALSPS VFKAIMEKLE MSKFQPTLLT LPRIKVTTSQ DMLSIMEKLE FFDFSVDLNL CGLTEDPDLQVSAMQHQTVL ELTETGVEAA AASAI SVART LLVFEVQQPF LFLVLDQDQHK FPVFMGRVYD PRAHHHHHH.