
Product Data Sheet

Product Name: SERPING1 Human HEK
 Cat. No.: GP24550
 Batch No.: 1

Product Data

Purity	>98%	Source
Physical Appearance	solid	Shipping Condition

Synonyms C1IN; C1INH; C1NH; HAE1; HAE2 ; Plasma protease C1 inhibitor; C1 esterase inhibitor; C1-inhibiting factor; Serpin G1; Name; SERPI

Amino Acid Sequence NPNATSSSSQDPESLQDRGEGKVATTVISKMLFVEPILEVSSLPTTNSTNSATKITANTTDEPTTQPTTEPTTQPTIQPTQPTTQLPTDSPTQPTTGSEFCPC

Solubility It is recommended to reconstitute the lyophilized SERPING1 in 1xPBS to a concentration no less than 100 µg/ml, which can then be
 Formulation SERPING1 was lyophilized from a 0.2 µM filtered solution of 20mM Tris-HCl and 150mM NaCl, pH 8.0.

Introduction

Plasma protease C1 inhibitor (SERPING1) is a part of the serpin superfamily of serine protease inhibitors. SERPING1 plays an important role 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. SERPING1 insufficiency results in hereditary angioedema, which is characterized by recurrent episodes of localized angioedema of the skin, gastrointestinal mucosa or upper respiratory mucosa.

Stability

Lyophilized SERPING1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution SERPING1 should be stored at 4°C between 2-7 days and for future use below -18°C . Please prevent freeze-thaw cycles.

Background

SERPING1 Human Recombinant produced by transfected human cells is a single polypeptide chain containing 486 amino acids (23-500). SERPING1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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