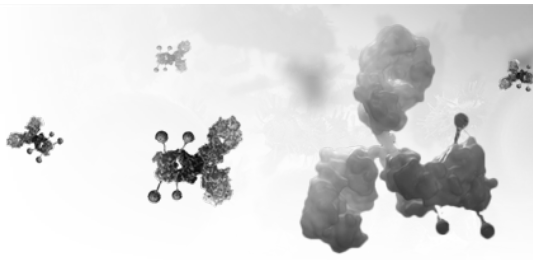

Human C1 Esterase Inhibitor (DAG4651)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Human C1 Esterase Inhibitor (C1-INH)
Antigen Description	The protease inhibitor C1-INH prevents the spontaneous activation of complement and limits consumption of C2 and C4 by rapidly inactivating C1r, C1s and MASP2. It is the only plasma serine protease inhibitor (Serpin) capable of interacting with and inhibi
Species	Human
Purity	> 95% by SDS PAGE
Conjugate	Unconjugated
Applications	The genetic disorder HAE is caused by a partial deficiency of C1-INH. Replacement therapy with a C1-INH concentrate produced by a number of drug companies has been approved for use in both Europe and the USA.
Format	Frozen liquid
Concentration	1.0 mg/ml (see Certificate of Analysis for actual concentration)
Buffer	10 mM sodium phosphate, 145 mM NaCl, pH 7.3
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Activation of the C1 complex is under control of the C1-inhibitor. It forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases. May play a potentially crucial role in regulating important physiological pathways including complement activation, blood

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	coagulation, fibrinolysis and the generation of kinins. Very efficient inhibitor of FXIIa. Inhibits chymotrypsin and kallikrein.
Keywords	SERPING1; serpin peptidase inhibitor, clade G (C1 inhibitor), member 1; C1IN; C1NH; HAE1; HAE2; C1INH; plasma protease C1 inhibitor; serpin G1; C1-inhibiting factor; C1 esterase inhibitor; complement component 1 inhibitor; serine/cysteine proteinase inhib

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