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Image



Overview

Quantity:	50 µg
Target:	SERPING1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPING1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Serpin G1/C1IN Protein (His Tag)
Sequence:	Ala20-Gly504
Characteristics:	Recombinant Mouse Serine Protease Inhibitor-clade G1 is produced by our Mammalian expression system and the target gene encoding Ala20-Gly504 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.

Target Details

Target:	SERPING1
Alternative Name:	Serpin G1/C1IN (SERPING1 Products)
Background:	Background: SERPIN G1 is a member of the serpin family, The C-terminal serpin domain is
	similar to other serpins, and this part of CT-INF provides the inhibitory activity. SERFINGT IS

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	involved in the inhibition of the complement system to prevent spontaneous activation. SERPIN
	G1 may play a potentially crucial role in regulating important physiological pathways including
	complement activation, blood coagulation, fibrinolysis and the generation of kinins. SERPIN G1
	prevents the proteolytic cleavage of later complement components C4 and C2 by C1 and MBL.
	SERPIN G1 is a very efficient physiological inhibitor of FXIIa, plasma kallikrein and fXIa, and
	could inhibit chymotrypsin and kallikrein. It forms a proteolytically inactive stoichiometric
	complex with the C1r or C1s proteases in the C1 complex of classical pathway of complement.
	Activation of the C1 complex is under control of the C1-inhibitor.
	Synonym: SERPIN G1,Plasma protease C1 inhibitor,C1 Inh,C1 esterase inhibitor,C1-inhibiting
	factor,Serping1,C1nh
Molecular Weight:	54.6 kDa
UniProt:	P97290
Pathways:	Complement System
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

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