

Active Recombinant Cynomolgus SERPINC1 Protein, His-tagged

Cat. No. SERPINC1-1177C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus (<i>Macaca fascicularis</i>) SerpinC1 (Met 1-Ser 464) was fused with a polyhistidine tag at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	1-464 a.a.
Predicted N Terminal	Ser 35
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to inhibit thrombin cleavage of a fluorogenic peptide substrate Boc-VPR-AMC. The IC50 value is<5>
Molecular Mass	The recombinant cynomolgus SerpinC1 consists of 441 amino acids and has a calculated molecular mass of 50.2 kDa. The apparent molecular mass of the recombinant protein is approximately 55-60 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SERPINC1 serpin peptidase inhibitor, clade C (antithrombin), member 1 [<i>Macaca fascicularis</i>]
Official Symbol	SERPINC1
Gene ID	102117641
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	
Chromosome Location	chromosome: 1
Pathway	Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem

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