Recombinant Rat Coagulation Factor XII

Cat. No. F12 -101R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant insect cell derived rat Factor XII is a single chain glycoprotein purified by ion exchange chromatography. Factor XII is converted, principally from the action of kallikrein, into an active serine protease (Factor α-XIIa) that functions in the in vivo initiation of blood coagulation, fibrinolysis, and kinin formation. Custom mutants of Factor XII are also available, please contact us for more details.
Species	Rat
Source	Insect Cells
Form	Frozen liquid
Molecular Mass	75,000 (Approximate)
Purity	>95% by SDS-PAGE analysis
Usage	For in vitro laboratory use only
Notes	Optimal experimental conditions and working dilutions must be determined by the end user. Sample concentration and volume are for example purposes only and do not necessarily represent the product that will be received. Please contact us for a current lot-specific product datasheet.
Storage	-70°C

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	0.25 mg/ml
Storage Buffer	4 mM Sodium Acetate; 0.15 M NaCl; pH 5.3
Shipping	Dry ice

GENE INFORMATION

Gene Name	F12 coagulation factor XII (Hageman factor) [Rattus norvegicus]
Official Symbol	F12
Synonyms	F12; coagulation factor XII (Hageman factor); coagulation factor XII; factor XII; hageman factor; HAF;
Gene ID	306761
mRNA Refseq	NM_001014006
Protein Refseq	NP_001014028
UniProt ID	D3ZTE0
Chromosome Location	17p14
Pathway	Blood Clotting Cascade, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Formation of Fibrin Clot (Clotting Cascade), organism-specific biosystem; Hemostasis, organism-specific biosystem; Intrinsic Pathway, organism-specific biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	binding; peptidase activity; peptidase activity; serine-type aminopeptidase activity; serine-type endopeptidase activity; serine-type endopeptidase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA