Active Recombinant Rat F3 protein, His-tagged

Cat. No. F3-2735R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat F3 protein(P42533)(30~252 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	30-252 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	TF (Tissue factor) also known for platelet tissue factor, factor III, thromboplastin, or CD142, is a cell surface glyprotein present in subendothelial tissue and leukocytes. TF is necessary for the initiation of thrombin formation from the zymogen prothrombin. It has been proven that EGF can bind with the TF on the hemangioendotheliocytes. Thus a binding ELISA assay was conducted to detect the interaction of recombinant rat TF and recombinant rat EGF. Briefly, TF were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL TF were then transferred to EGF-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-TF pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50μ stop solution to the wells and read at 450nm immediately. The

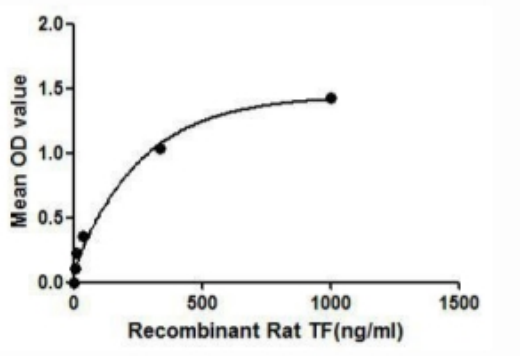
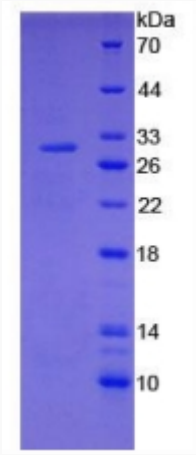
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	binding activity of TF and EGF was shown, and this effect was in a dose dependent manner.
Molecular Mass	26.9kDa
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	F3 coagulation factor III (thromboplastin, tissue factor) [Rattus norvegicus]
Official Symbol	F3
Synonyms	F3; coagulation factor III (thromboplastin, tissue factor); tissue factor; TF; coagulation factor 3; MGC93621;
Gene ID	25584
mRNA Refseq	NM_013057
Protein Refseq	NP_037189

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Activity	
SDS-PAGE	

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