CLAIMS

1. A method for producing an endotoxin measuring agent, comprising steps (A) to (D) below:

(A) a step of infecting insect cells selected from the group consisting of Sf9, Sf21, SF+ and High-Five with baculoviruses, into which each of DNAs (1) to (3) below has been incorporated:

(1) a DNA encoding a factor C which DNA is (a) or(b), and does not have His-tag sequence at the C-terminus:

(a) a protein comprising an amino acid sequence shown in SEQ ID NO:2;

(b) a protein having a sequence comprising an amino acid sequence having an identity of 90% or higher to the amino acid sequence shown in SEQ ID NO:2, wherein the protein has factor C activity

(2) a DNA encoding a factor B of a horseshoe crab

(3) a DNA encoding a proclotting enzyme of a horseshoe crab

(B) a step of allowing the insect cells infected with the baculoviruses to express the protein encoded by the DNA;

(C) a step of recovering a solution containing the expressed protein; and

(D) a step of eliminating the baculoviruses from the expressed protein.

2. A method for producing an endotoxin measuring agent comprising steps (A') to (C') below:

(A') a step of introducing plasmids, into which each of DNAs (1) to (3) below has been incorporated, into insect cells selected from the group consisting of Sf9, Sf21, SF+ and High-Five, and incorporating the DNAs into a chromosome of the insect cells;

(1) a DNA encoding a factor C which is (a) or (b), and does not have His-tag sequence at the C-terminus

(a) a protein comprising an amino acid sequence shown in SEQ ID NO:2;

(b) a protein having a sequence comprising an amino acid sequence having an identity of 90% or higher to the amino acid sequence shown in SEQ ID NO:2, wherein the protein has factor C activity;

(2) a DNA encoding a factor B of a horseshoe crab

(3) a DNA encoding a proclotting enzyme of a horseshoe crab

(B') a step of allowing the insect cells incorporated with the DNA to express the protein encoded by the DNA; and

(C') a step of recovering a solution containing the expressed protein.

3. The method for producing according to the claim 1 or 2, wherein the DNA (1) is a DNA (a') below;

(a') a DNA comprising a nucleotide sequence shown in SEQ ID NO:1.

4. The method for producing according to any one of the claims 1 to 3, wherein the DNA (1) encodes the factor C to which V5 –tag is not added at the C-terminus.

5. The method for producing according to any one of the claims 1 to 4, wherein the DNA (1) encodes the factor C to which no peptide is added at the C-terminus.

6. The method for producing according to any one of the claims 1 to 5, wherein the solution is a culture broth, a culture supernatant, a cell extract, or a mixture thereof.