MUTANT HEMAGGLUTININ COMPLEX PROTEIN, AND METHOD FOR CULTURING PLURIPOTENT STEM CELLS USING SAME

ABSTRACT

Provided are a novel hemagglutinin that can remove cells deviated from the undifferentiated state, the cells being cells that emerge in a colony during culture of stem cells having pluripotency, and a novel method for culturing stem cells having pluripotency, the method using hemagglutinin. Provided is a mutant hemagglutinin complex protein derived from *Clostridium botulinum* type B, the complex protein containing at least subcomponents HA2 and HA3 of hemagglutinin derived from *Clostridium botulinum* type B, and the complex protein containing amino acids constituting a glycosylation site, with at least one of the amino acids having been mutated. Provided is a method for culturing stem cells having pluripotency, the method including culturing the stem cell having pluriopotency in the presence of a mutant hemagglutinin complex protein of the present disclosure.

[Figure 5]