Additionally, various studies have been conducted for efficiently producing amino acids; for example, efforts have been made to develop microorganisms or fermentation process technologies for producing amino acids with high efficiency. Particularly, specific approaches to target materials have been developed, such as enhancement of expression of genes encoding enzymes involved in the biosynthesis of the amino acids in the strain of the genus *Corynebacterium* or deletion of genes unnecessary for the biosynthesis of amino acids (Korean Patent Nos. 10-0924065 and 1208480). In addition to these methods, a method for removing genes that are not involved in the production of amino acids and a method for removing genes whose functions for producing amino acids are not specifically known have also been utilized. However, there is still a growing need to study methods for efficiently producing amino acids with high yield.

[Summary]

In one aspect, the present disclosure refers to a microorganism of the genus *Corynebacterium* having increased glycine productivity, in which the activity of ATP phosphoribosyltransferase (HisG) is enhanced.

In another aspect, the present disclosure refers to a method for preparing a fermented composition comprising glycine and glutamic acid, comprising fermenting by culturing the microorganism of the genus *Corynebacterium* as disclosed herein in a medium.

In yet another aspect, the present disclosure refers to a fermented composition prepared by the method as disclosed herein.

[Disclosure]

[Technical Problem]

The present inventors have made efforts to develop a method capable of simultaneously producing several amino acids, and as a result, they have confirmed that when the HisG activity of a microorganism capable of producing glutamic acid is enhanced compared to that of its parent strain, the glycine-producing ability can be improved while maintaining the glutamic acid-producing ability, thereby completing the present disclosure.

[Technical Solution]

An objective of the present disclosure is to provide a microorganism of the genus *Corynebacterium* having increased glycine productivity, wherein the activity of ATP phosphoribosyltransferase (HisG) is enhanced.

Another objective of the present disclosure is to provide a method for preparing a fermented composition comprising glycine and glutamic acid, comprising fermenting by culturing the microorganism of the genus *Corynebacterium*.

Still another objective of the present disclosure is to provide a fermented composition prepared by the above method.

[Advantageous Effects]