The present inventors have made intensive efforts to increase the production of O-succinyl homoserine, and as a result, they found a protein having O-succinyl homoserine-synthesizing activity, thereby completing the present disclosure.

[Technical Solution]

In one aspect, the present disclosure refers to a polypeptide having O-succinyl homoserine transferase activity, the polypeptide comprising substitution of an amino acid other than leucine for an amino acid at position 313 in an amino acid sequence of SEQ ID NO: 1. In another aspect, the present disclosure refers to a polynucleotide encoding the polypeptide having O-succinyl homoserine transferase activity of as disclosed herein. In yet another aspect, the present disclosure refers to an O-succinyl homoserine-producing microorganism of the genus *Corynebacterium*, wherein the polypeptide having O-succinyl homoserine transferase activity as disclosed herein or a variant polypeptide thereof is comprised or over-expressed. In yet a further aspect, the present disclosure refers to a method of producing O-succinyl homoserine, the method comprising the steps of: culturing the O-succinyl homoserine-producing microorganism of the genus *Corynebacterium* as disclosed herein in a medium; and isolating or collecting O-succinyl homoserine from the microorganism cultured in the culturing step or the medium. In still another aspect, the present disclosure refers to a method of producing L-methionine, the method comprising the steps of: (a) culturing the O-succinyl homoserine-producing microorganism of the genus *Corynebacterium* as disclosed herein in a medium; and (b) reacting the O-succinyl homoserine with sulfide.

An object of the present disclosure is to provide a polypeptide having O-succinyl

homoserine transferase activity, the peptide including substitution of an amino acid other than leucine for an amino acid at position 313 in an amino acid sequence of SEQ ID NO: 1.

Another object of the present disclosure is to provide a polynucleotide encoding the polypeptide.

Still another object of the present disclosure is to provide an O-succinyl homoserine-producing microorganism of the genus *Corynebacterium*, the microorganism comprising the polypeptide having the O-succinyl homoserine transferase activity.

Still another object of the present disclosure is to provide a method of producing O-succinyl homoserine, the method comprising the steps of culturing the microorganism in a medium; and isolating or collecting O-succinyl homoserine from the cultured microorganism or the medium.

Still another object of the present disclosure is to provide a method of producing L-methionine, the method comprising the steps of culturing the microorganism in a medium; and reacting the O-succinyl homoserine with sulfide.

[Advantageous Effects]

A variant of O-succinyl homoserine transferase protein according to the present