[CLAIMS]

[Claim 1]

A protein variant exporting 5′-inosine monophosphate, wherein, in the amino acid sequence of SEQ ID NO: 2, (i) the 2nd amino acid, (ii) the 64th amino acid, or (iii) the 2nd amino acid and the 64th amino acid are each substituted with another amino acid.

[Claim 2]

The protein variant according to claim 1, wherein the 2nd amino acid is substituted with an amino acid selected from the group consisting of isoleucine, phenylalanine, methionine, glutamic acid, histidine, and asparagine; (ii) the 64th amino acid is substituted with an amino acid selected from the group consisting of aspartate, glutamic acid, asparagine, cysteine, isoleucine, and phenylalanine; or (iii) the 2nd amino acid and the 64th amino acid are each substituted with an amino acid selected from the group consisting of methionine, glutamic acid, histidine, asparagine, aspartate, cysteine, isoleucine, and phenylalanine.

[Claim 3]

A polynucleotide encoding the protein variant of claim 1 or 2.

[Claim 4]

A vector comprising the polynucleotide of claim 3.

[Claim 5]

A microorganism of the genus *Corynebacterium* producing 5′-inosine monophosphate, which comprises the protein variant of claim 1 or 2; or a vector comprising the polynucleotide encoding the protein variant of claim 1 or 2.

[Claim 6]

The microorganism of the genus *Corynebacterium* according to claim 5, further comprising a protein variant, in which the 164th amino acid of SEQ ID NO: 1 is substituted with another amino acid.

[Claim 7]

The microorganism of the genus *Corynebacterium* according to claim 6, wherein the

164th amino acid of SEQ ID NO: 1 is substituted with an amino acid selected from the group consisting of lysine, arginine, asparagine, glycine, threonine, and proline.

[Claim 8]

The microorganism of the genus *Corynebacterium* according to claim 5, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.

[Claim 9]

The microorganism of the genus *Corynebacterium* according to claim 6, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.

[Claim 10]

A method for preparing 5′-inosine monophosphate, comprising culturing the microorganism of the genus *Corynebacterium* of claim 5 in a medium; and recovering 5′-inosine monophosphate from the microorganism or medium.

[Claim 11]

A method for preparing 5′-inosine monophosphate, comprising culturing the microorganism of the genus *Corynebacterium* of claim 6 in a medium; and recovering 5′-inosine monophosphate from the microorganism or medium.

[Claim 12]

The method according to claim 10, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.

[Claim 13]

The method according to claim 11, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.