**[CLAIMS]**

[Claim 1]

A protein variant exporting 5′-inosine monophosphate, wherein the protein variant comprises a substitution of the 123$^{rd}$ amino acid with cysteine, a substitution of the 243$^{rd}$ amino acid with valine, a substitution of the 387$^{th}$ amino acid with threonine, a substitution of the 405$^{th}$ amino acid with tyrosine, a substitution of the 413$^{th}$ amino acid with threonine, a substitution of the 458$^{th}$ amino acid with lysine, or a combination thereof, in the amino acid sequence of SEQ ID NO: 2.

[Claim 2]

The protein variant according to claim 1, wherein the protein variant further comprises a substitution of the 2$^{nd}$ amino acid with isoleucine, a substitution of the 64$^{th}$ amino acid with glutamic acid or aspartate, or a combination thereof.

[Claim 3]

A polynucleotide encoding the protein variant according to claim 1 or 2.

[Claim 4]

A vector comprising the polynucleotide according to 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, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.

[Claim 7]

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 8]

The method according to claim 7, wherein the microorganism of the genus *Corynebacterium* is *Corynebacterium stationis*.