

ABSTRACT

A polynucleotide encoding an amino acid sequence represented by SEQ ID NO: 1 or 3; a protein having an amino acid sequence represented by SEQ ID NO: 1 or 3; and; a method for producing an L- α -amino acid compound, which comprises the step (1) for reacting the present invented protein with an α -hydroxycarboxylic acid compound to obtain a corresponding α -oxocarboxylic acid compound, and the step of reacting a protein having the ability to aminate an α -oxocarboxylic acid compound and convert the same into a corresponding L- α -amino acid compound with the α -oxocarboxylic acid compound obtained in the step (1) to obtain a corresponding L- α -amino acid compound; and the like.