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(54) **D TYPE AMINO ACID DEHYDROGENASE**

(57) An enzyme having the following characteristics of (a) and (b):

(a) the enzyme has an activity of reversible dehydrogenation of D-amino acid; and

(b) the enzyme is a hexamer of polypeptides having an amino acid sequence that has 80% or more identity with an amino acid sequence of SEQ ID NO: 2.

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