

ABSTRACT

[Problem] To provide a novel artificial protein catalyst that enables the protection of a catalyst from substances in vivo and has potential usefulness in therapeutic in vivo synthetic chemistry.

[Solution] Provided is a complex of a protein and a catalyst selected from a metal catalyst or organic catalyst. In the complex according to the present invention, the protein is a protein having a hydrophobic pocket in the three-dimensional structure thereof, and the catalyst is housed in the hydrophobic pocket so that the catalyst is not or substantially not exposed to a hydrophilic environment.

[Selected Drawings] None