【ABSTRACT】

The present invention relates to a self-cleaving fusion protein including a target protein, a peptide consisting of amino acid sequence represented by LPXTG, a domain of Sortase A having cleaving function, and a tag, which are sequentially positioned from the amino terminal; a nucleic acid encoding the same; an expression vector including the nucleic acid of the present invention; and a cell transformed with the expression vector of the present invention. In addition, the present invention relates to a method for refining a target protein including culturing, dissolving, and purifying the transformed cell, and a method for preparing a therapeutic antibody-drug conjugate by using the purifying method.