[ABSTRACT]

Provided is a translation enhancer that can shorten the 5′UTR. The object is achieved by a translation enhancer used in a cell-free protein synthesis system, the translation enhancer is a combination of a first sequence corresponding to nucleic acids as a 5′ untranslated region connected adjacent to a 5′ terminal of a code region that codes the amino acid sequence of the target protein, and a second sequence corresponding to nucleic acids as a 3′ untranslated region connected adjacent to a 3′ terminal of a code region that codes the amino acid sequence of the target protein, and the first sequence and the second sequence have complementary sequences that form conjugation.