[ABSTRACT]

The object is to provide a translation enhancer that improves synthesis efficiency of a target protein. The object is achieved by a translation enhancer in a cell-free protein synthesis system, and the translation enhancer consists of a nucleic acid as a 3′ untranslated region linked adjacent to a 3′ terminal of a code region that encodes an amino acid sequence of a target protein, the 3′ untranslated region comprises a first region consisting of a sequence of 10 to 40 nucleic acids adjacent to the 3′ terminal of the code region and a second region consisting of a poly-A sequence having continuous 2 to 40 “A”s linked to the first region, and the first region has a hairpin structure.