

CAPPED RNA AND METHOD FOR PRODUCING SAME, APPARATUS FOR PRODUCING
PROTEIN, AND METHOD FOR PRODUCING PROTEIN

ABSTRACT

5 The present invention is a capped RNA which has a translated region beginning with a start codon and encoding a protein and an upstream region upstream of the start codon, and a branch part having a cap structure. This branch part preferably has at least one structure of the following (a) to (c):

10 (a) a capped probe having a sequence complementary to a sequence of a part or all of the untranslated region and having the cap structure is hybridized to the untranslated region;

(b) a branched chain branching from the middle of a main chain constituting the RNA is provided in a part of the untranslated
15 region and the cap structure is provided in the branched chain; and

(c) the RNA has a branch structure in which the 5' end of a main chain of the untranslated region is branched into two or more branches, the cap structure being provided in each branch.

20 Figure 1