

Title (en)

METHOD FOR ANALYZING TRANSLATION-CONTROLLED GENE EXPRESSION

Title (de)

VERFAHREN ZUR ANALYSE DER TRANSLATIONSKONTROLLIERTEN GENEXPRESSION

Title (fr)

PROCEDE D'ANALYSE DE L'EXPRESSION DE GENES COMMANDEE PAR TRANSLATION

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Application

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Abstract (en)

[origin: WO03046214A2] The invention relates to a method for analyzing gene expression, enabling a reliable correlation of the amount of mRNA transcribed by the gene to be examined, taking into account the translation state present in a cell type, tissue or organism, with the amount of protein which is translated from said mRNA. Determination of the translation efficiency of all mRNA variants which are transcribed by a gene to be examined, coding for a specific protein enables inter alia identification of the preferentially translated mRNA variant in a specific cell type, tissue or organism. It is possible to make a reliable forecast of the amount of protein expressed in a cell type, tissue or organism on the basis of the amount and translation efficiency of the preferentially translated mRNA variant coding for a protein to be examined.

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