

Title (en)

METHOD FOR IDENTIFYING TRANSLATIONALLY REGULATED GENES

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG VON GENEN WELCHE AUF DER STUFE DER TRANSLATION REGULIERT WERDEN

Title (fr)

PROCEDE D'IDENTIFICATION DES GENES REGULES PAR TRADUCTION

Publication

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Application

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Abstract (en)

[origin: WO9821321A1] A method for identifying translationally regulated genes includes selectively stimulating translation of an unknown target mRNA with a stress inducing element wherein the target mRNA is part of a larger sample of mRNA. The mRNA sample is divided into pools of translated and untranslated mRNA which are differentially analyzed to identify genes that are translationally regulated by the stress inducing element. A method for identifying gene sequences coding for internal ribosome entry sites includes inhibiting 5'cap-dependent mRNA translation in a cell, collecting a pool of mRNA from the cells, and differentially analyzing the pool of mRNA to identify genes with sequences coding for internal ribosome entry sites.

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